

4K95-5

KODIAK MANAGEMENT AREA
ANNUAL SALMON MANAGEMENT REPORT,
1986 and 1987

By
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Regional Information Report¹ No. 4K95-5

Alaska Department of Fish and Game
Commercial Fisheries Management & Development Division
211 Mission Road
Kodiak, Alaska 99615

January 1995

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INTRODUCTION

This report is a compilation of the management activities of the Alaska Department of Fish and Game, Division of Commercial Fisheries for the 1986 and 1987 commercial fishery in the Kodiak Management Area. The purpose of this report is to provide documentation of preseason, inseason, and postseason activities, the summation of which will yield a perspective of operations by the commercial salmon industry and the state's management agency; the subsistence salmon fishery is also summarized in this report. The scope of this perspective includes historical harvest and escapement data summarized in a variety of formats which reflect commonly requested evaluation summaries for both industry and agency purposes.

APPENDIX

Appendix A. Summary of emergency orders issued for the Kodiak Management Area, 1986.

1986 KODIAK SALMON ABSTRACT

E.O. 4-F-K-22-86

Issued: June 6, 1986

Effective: June 9, 1986

EXPLANATION: This emergency order opens the commercial salmon fisheries in the Alitak Bay District from 6:00 p.m. Monday, June 9 through 9:00 p.m. Tuesday, June 10, 1986.

JUSTIFICATION:

A one day fishery in the Alitak Bay District was scheduled for this time period and was specified in the 1986 Kodiak June Sockeye Management Plan and in the Moser-Olga Bay Management Plan. This one day (27 hour) fishery can be justified by the anticipated return to the Fraser Lake system and by the need to broaden the commercial test fishery data base in the Alitak District to increase management precision for the Fraser Lake sockeye return.

E.O. 4-F-K-26-86

Issued: June 12, 1986

Effective: June 12, 1986

EXPLANATION: This emergency order opens the Cape Igvak section of the Mainland district to commercial salmon fishing from 12:01 a.m. Sunday, June 15th through 12:01 a.m. Monday, June 16th.

The sockeye fishery in the Ayakulik section of the Red River district will be opened by flare at approximately 6:00 p.m. Sunday, June 15th and close at 9:00 p.m. Monday June 16th.

The following portions of the Kodiak Management Area will also be open for a 27 hours fishery from 6:00 p.m. Sunday, June 15 through 9:00 p.m. Monday, June 16.

- The General district except for the Chiniak section which remains closed.
- The entire Uganik and Uyak districts.
- That portion of the Karluk district east of the longitude of Rocky Point.
- The Kukak section of the Mainland district.
- The Afognak district, except for the southwest Afognak section and that portion of the North Afognak section south of a line from Cape Current to Tolstoi Point which remain closed.

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Closed waters will be reduced, only, in the following areas:

- At Saltery Cove River to the stream terminus.
- In Litnik Bay to the subsistence markers
- In Mush Bay to a line running northeast from the old saltery.
- In Kafia Bay to the stream terminus (stream no. 262-301).

The Alitak Bay district and that area from Cape Ikolik to Rocky Point remains closed until further notice.

Closed waters have been increased for both subsistence fishing and commercial fishing in Pasagshak Bay beginning 6:00 p.m. June 15. The closed water markers will be placed approximately 1½ miles from the stream terminus of Pasagshak River and we emphasize again that this closure applies to subsistence as well as commercial fishermen. Exact coordinates for the regulatory markers may be obtained from the Kodiak Fish and Game office.

JUSTIFICATION:

The escapement goal through June 12 has been achieved at the Chignik weir, with a good show of fish in the lagoon and a fishery announced in Chignik beginning 6:30 p.m. June 13th. Based on the Cape Igvak Management Plan (5 AAC 18.360) and the strong sockeye return forecast to the Chignik Area a fishery can be conducted in the Cape Igvak section that will target primarily on Chignik bound sockeye.

The 30,000 sockeye escapement goal by June 12th has been achieved at Red River and therefore a commercial fishery is justified as described in the 1986 Red River Management Plan.

According to the June Red Salmon Management Plan the first 27 hour fishery that targets primarily on surplus sockeye destined for several minor systems was expected to begin about June 14th. Commercial fisheries at both Red River and Cape Igvak on June 15 should contribute to the orderly fishery concept by spreading out the seine effort. Escapements to date into most of the minor sockeye systems are considered to be fair with the exception of Pauls Creek and Perenosa Creek on North Afognak. Therefore the first 27 hour fishery will begin on June 15 at 6:00 p.m. and will not include that portion of the North Afognak section south of a line from Cape Current to Tolstoi Point.

Closed waters in Pasagshak Bay have been increased in order to provide a larger sanctuary for an introduced return of king salmon. This closure applies to both commercial and subsistence fishermen.

E.O. 4-F-K-28-86

Issued: June 15, 1986
Effective: June 16, 1986

EXPLANATION: This emergency order extends the Ayakulik section commercial salmon fishery until further notice. The sockeye fishery in

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the Ayakulik section of the Red River district will be opened by flare at approximately 6:00 p.m. Sunday, June 15th and remain open until further notice.

JUSTIFICATION:

The minimum sockeye escapement goal is assured at Red River and there an extended commercial fishery is justified.

Closed waters in Pasagshak Bay have been increased in order to provide a larger sanctuary for an introduced return of king salmon. This closure applies to both commercial and subsistence fishermen.

E.O. 4-F-K-29-86

Issued: June 16, 1986
Effective: June 17, 1986

EXPLANATION: This emergency order opens the Cape Igvak section of the Mainland district to commercial salmon fishing from 12:00 noon Tuesday, June 17th through 12:00 noon Thursday, June 19th.

JUSTIFICATION:

The desired sockeye escapement goal through June 16th has been achieved at the Chignik weir with a sockeye harvest through June 15 in the Chignik Management Area of at least 133,000. The present harvest percentage at Cape Igvak as determined by the formula in the Cape Igvak Management Plan (5 AAC 18.360) is less than 5%. At the present harvest rate at least 48 hours of additional fishing time will be required in order to approach the 15% harvest level described in the Cape Igvak Management Plan.

E.O. 4-F-K-30-86

Issued: June 18, 1986
Effective: June 19, 1986

EXPLANATION: The Cape Igvak section of the Mainland district has been extended 36 hours and will now close to commercial salmon fishing at 12:01 a.m. Saturday, June 21st.

The sockeye fishery in the Ayakulik section of the Red River district remains open to commercial fishing until further notice.

The following portions of the Kodiak management Area will also be open for a 72 hour fishery from 6:00 p.m. Friday, June 20th through 9:00 p.m. Monday, June 23rd.

- The Kizhuyak section of the General district.
- The entire Uganik and Uyak districts.

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- That portion of the Karluk district east of the longitude of Cape Uyak.
- The Southwest section of the Afognak district.

The following area will be open for a 27 hours fishery from 6:00 p.m. Friday, June 20th through 9:00 p.m. Saturday, June 21st.

- The Ugak, Sitkalidak and Seven Rivers/Kaiugnak sections of the General district.
- The entire East Afognak section and the North Afognak section except for that portion south of a line from Cape Current to Tolstoi Point which remains closed.
- The Kukak section of the Mainland district.

Closed waters will be reduced, only, in the following areas:

- At Saltery Cover River to the Stream terminus.
- In Litnik Bay to the subsistence markers
- In Mush Bay to a line running northeast from the old saltery. - In Kaflia Bay to the stream terminus (stream no. 262-301).

JUSTIFICATION:

The Cape Igvak Management Plan (5 AAC 18.360) provides for a harvest level of 15% of the Chignik bound June run of sockeye on years when at least a 300,000 sockeye harvest is assured at Chignik. The harvest level based on the most recent catch information is less than 8% at this time and more than 300,000 sockeye will soon be harvested in the Chignik area; therefore at least a 36 hour extension of the Cape Igvak sockeye fishery is warranted in order to approach the 15% harvest level.

For the first time in 18 years it appears that the June sockeye escapement goal will be achieved at Karluk River with a surplus of sockeye that may be allocated to the commercial fishermen. A 75 hour fishery from Cape Uyak to Cape Paramanof should not jeopardize the achievement of the 250,000 sockeye escapement goal. Roughly 199,000 sockeye have passed the Karluk weir through June 17th.

The pre-season June sockeye Management Plan provides for two or more 27 hour fishing periods on minor sockeye systems. The second 27 hour fishery may now be conducted on minor systems such as Kaflia Bay, Afognak Bay, Paramanof Bay and Saltery Cove which are not included in the other fisheries. A closure south of a line from Cape Current to Tolstoi Point will provide protection for weak sockeye returns to Pauls Bay Creek and Perenosa River.

It is apparent that the desired June sockeye escapement goal of 150,000 will be achieved at Red River, therefore the Ayakulik section remains open to commercial fishing until further notice.

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E.O. 4-F-K-31-86

Issued: June 19, 1986

Effective: June 22, 1986

EXPLANATION: All waters in Upper Olga Bay south of a line from the ADF&G regulatory marker on Stockholm Point to the ADF&G regulatory marker on Stormy Point will be open to commercial salmon fishing for set gillnets from 12:00 noon Sunday, June 22 through 9:00 p.m. Monday, June 30th.

JUSTIFICATION:

At the present rate of sockeye escapement through the Upper Station weir it appears that the June and July early run escapement goal will be greatly exceeded if a commercial fishery is not allowed in the closed waters of Upper Olga Bay. A fishery in the Moser-Olga Bay and Cape Alitak sections of the Alitak Bay district is not justified at this time as it would probably jeopardize the escapement required for the sockeye return to the Fraser Lake system. No surplus of sockeye is recognized for the minor systems of Silver Salmon Creek and Akalura Creek. Therefore, only that portion of Upper Olga Bay south of a line from Stockholm Point to Stormy Point will be opened to commercial fishing. In order to provide for some July escapement it is anticipated that approximately a 2 mile closed water sanctuary around the entrance to Upper Station Creek (stream #257-304) will be required during the lengthy commercial fishery anticipated in July to harvest additional early run Upper Station sockeye.

E.O. 4-F-K-32-86

Issued: June 20, 1986

Effective: June 21, 1986

EXPLANATION:

This emergency order extends the commercial salmon fishery in the Cape Igvak section of the Mainland district for an additional 72 hours. The Cape Igvak fishery will now close at 12:00 midnight Monday, June 23rd.

JUSTIFICATION:

The sockeye harvest in the Chignik Management Area now exceeds 340,000 and at least another 60,000 sockeye are projected to be harvested during fisheries announced for June 20th and 21st. At the present rate of harvest in the Cape Igvak section, the 15% harvest level allocation described in 5 AAC 18.360 of the 1986 Commercial Finfish Regulation Book will not be achieved unless the Cape Igvak section commercial sockeye fishery is extended for at least an additional 72 hours.

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E.O. 4-F-K-33-86

Issued: June 23, 1986
Effective: June 23, 1986

EXPLANATION: The Cape Igvak section of the Mainland district has been extended an additional 3 days and will now close to commercial salmon fishing at 12:00 midnight Thursday, June 26th.

All waters in Upper Olga Bay south of a line from the ADF&G regulatory marker on Stockholm Point to the ADF&G regulatory marker on Stormy Point are open to commercial salmon fishing for set gillnets until the closure at 9:00 p.m. Monday, June 30th.

The following portions of the Kodiak Management Area have been extended for 72 hours and will now close at 9:00 p.m. Thursday, June 26th.

- The Kizhuyak section of the General district.
- The entire Uganik and Uyak districts.
- That portion of the Karluk district east of the longitude of Cape Uyak.
- The Southwest section of the Afognak district.

The sockeye fishery in the Ayakulik section of the Red River district remains open to commercial fishing until further notice.

Closed waters in Mush Bay have been increased for this 72 hour fishery. Effective 9:00 p.m. Monday June 23rd the closed water regulatory markers will be placed at the normal location with the line running to Packers Spit as described in the 1986 Regulation Book.

The following areas are closed until further notice.

- The Mainland district except for the Cape Igvak section.
- The General district except for the Kizhuyak section.
- The Afognak district except for the Southwest Afognak section.
- The south end of Kodiak Island from Cape Uyak to Cape Ikolik.
- The Alitak Bay district except for a portion of Upper Olga Bay.

JUSTIFICATION:

The Cape Igvak Management Plan (5 AAC 18.360) provides for a 15% harvest level of Chignik bound sockeye. Through June 22nd the harvest level has decreased to less than 8% because of light catches at Cape Igvak and strong catches at Chignik. An additional 61 hours of commercial fishing beginning 5:00 a.m. June 23rd has been announced in the Chignik Management area. A 72 hour extension of the commercial fishery in Cape Igvak will probably not provide a 15% harvest allocation, but it should increase the harvest percentage somewhat.

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Regulation 5 AAC 18.360 (d) provides that the harvest level "anytime before July 25th may be permitted to fluctuate above . . . 15% of the accumulative Chignik sockeye salmon catch." Whenever the forecast for the second sockeye run to Chignik is strong enough to provide for a Chignik area harvest of more than 300,000 sockeye it is important to try to achieve a harvest level of approximately 20% prior to the Cape Igvak "overlap" closure in late June and early July. This will probably not be possible in 1986. Therefore it is apparent that the 15% harvest allocation by July 25th will be very difficult to achieve.

The 250,000 Karluk June escapement goal has been achieved. Therefore, the "westside" fishery may be extended an additional 72 hours. The Uganik Lake sockeye return will have an increased closed water sanctuary during this extension to prevent the overharvest of this minor sockeye run. After about July 25th a sockeye fishery on the "westside" will undoubtedly impact the July sockeye escapement through the Red River and Karluk weirs. Since a heavy interception of sockeye during the July pink salmon fishery is expected this year, it will probably be difficult to achieve July sockeye escapement goals, especially if there is also a major sockeye fishery on the "westside" in late June. Therefore, no extension of the "westside" fishery in late June is expected after July 26th.

E.O. 4-F-K-34-86

Issued: June 25, 1986

Effective: June 26, 1986

EXPLANATION:

The Cape Igvak section of the Mainland district has been extended one additional day and will now close to commercial salmon fishing at 12:00 midnight Friday, June 27th.

The sockeye fishery in the Ayakulik section of the Red River district will close to commercial fishing effective 9:00 p.m. Thursday, June 26.

There has been no change in the remainder of the commercial salmon fisheries that were described previously by field announcement.

JUSTIFICATION:

The Chignik sockeye salmon return continues to be strong with a Chignik Area harvest of more than 600,000 sockeye to date. No assessment has been made regarding any deviation from average timing of the Chignik run at this time. Assuming that the Chignik run timing is average this season, the second run of sockeye would reach approximately the 50% level in any Chignik bound sockeye harvest at Cape Igvak on June 30th. At least a one day extension of the Cape Igvak fishery will be required in order to approach the 15% harvest guideline described in 5 AAC 18.360. The June 27th fishery will occur before the 2nd run of Chignik bound sockeye is expected to approach the 50% level at Cape Igvak. If the Cape Igvak catch is excellent (20,000 or more) on June

27th, the impact on the second sockeye run bound for Chignik would be less than 10,000 sockeye based on average run timing. After considering: (a) the relatively stable second run returns to Chignik; (b) the good 1986 Chignik late run forecast; (c) the fact that when the first run is strong and considerable fishing time is usually allowed during the overlap period in the Chignik Management Area with resulting incidental harvests of second run sockeye that greatly exceed 10,000; (d) the harvest percentage should actually be near 20% at Cape Igvak at the beginning of the overlap period in June on most years in order to have a reasonable chance of achieving the 15% harvest level for the season on July 25th; the June 27th fishery should not jeopardize the achievement of the late run escapement goal at Chignik and the additional fishing time of at least one day in June is needed in order to increase the harvest percentage and come closer to the allocation required by 5 AAC 18.360.

The continuous sockeye fishery in the Ayakulik section has effectively slowed down the escapement into the Red River system. In order to achieve the 150,000 June escapement goal and allow sockeye to pass by that will contribute toward achieving the 150,000 July/August sockeye escapement goal, the fishery in the Ayakulik section will be closed until further notice at 9:00 p.m. on June 26th.

In order to achieve an additional 100,000 sockeye escapement through the Karluk weir by July 30th the "westside" fishery will not be extended into the last four days of June. The 1981 sockeye tagging study indicated an average travel time for sockeye from Middle Cape to Red River (a distance of 15 miles) at 5 days and the average migration time from the Uganik Bay district to Red River at 15 days. The 1979 late June sockeye tagging data indicates that the average travel time from Rocky Point through the Karluk weir is six days. It may be assumed that travel time will vary from year to year but that travel time would be longer for sockeye that must travel from points farther north than Rocky Point (a distance of approximately 13 miles from Karluk weir).

In addition, it must be assumed that the strong pink salmon returns to the Karluk and Red River systems will materialize and that long fishing periods the last half of July will be required in order to harvest the surplus destined for these systems. The heavy incidental harvest of sockeye during this fishery on even years has been thoroughly documented in the past and will undoubtedly occur again in 1986. Therefore, it is even more important to increase late June and July sockeye escapements prior to the General Pink Salmon fishery in order to offset the reduced sockeye escapements that have historically occurred during large even year pink returns.

The sockeye escapement data available for minor sockeye systems at this time does not justify any additional fishing periods in June.

E.O. 4-F-K-35-86

Issued: June 27, 1986
Effective: June 29, 1986

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EXPLANATION: All waters in Upper Olga Bay south of a line from the ADF&G regulatory marker on Stockholm Point to the ADF&G regulatory marker on Stormy Point have been extended to commercial salmon fishing and will now close at 9:00 p.m. on Thursday, July 10th. Effective 9:00 p.m. on Monday, June 30th a closed water sanctuary will go into effect at the entrance to Upper Station lagoon. All waters inside of a line from the ADF&G regulatory marker 1 mile north of the lagoon entrance to the ADF&G regulatory marker on the end of the cape approximately 1¼ miles south of the lagoon entrance will be closed to commercial set gillnet fishing effective 9:00 p.m. Monday, June 30th.

The following areas will be open to commercial salmon fishing from 6:00 p.m. Sunday, June 29 through 9:00 p.m. Thursday, July 3rd.

- The Kizhuyak section of the General district.
- The entire Uganik, Uyak and Karluk districts.
- The Southwest section of the Afognak district.

JUSTIFICATION:

The Upper Olga Bay fishery has slowed the escapement considerably into Upper Station River. Normally the July sockeye return is not as strong as the June return and a small closed water sanctuary will probably be required in July in order to allow a portion of the July sockeye to escape the fishery. The escapement and the strength of the return to Upper Station remains excellent as of this date, however, and therefore the fishery will be extended an additional ten days.

The strength of the June/July return to Karluk is exceeding all expectations. The escapement through the Karluk weir the past 48 hours was approximately 40,000 sockeye and the catches in the Uyak district have remained excellent through the closure on July 26th. Therefore, additional fishing time is warranted with the expectation that the desired escapement through July 30th of 350,000 will be achieved. The commercial fishery will not be allowed south of Cape Karluk in order to minimize the interception of second run Red River

sockeye. A 147,000 sockeye escapement has been achieved at Red River with at least another 100,000 desired prior to the intense pink salmon fishery that will occur in late July and August. The total season desired sockeye escapement goal is 300,000 for the Red River system which includes 150,000 for the June run and 150,000 for the July and August run.

E.O. 4-F-K-36-86

Issued: July 2, 1986
Effective: July 6, 1986

EXPLANATION: This emergency order provides the opening of the General Pink Salmon Season as described in the 1986 Kodiak Area Management Plan. The season will begin with a four day fishing period from 6:00 p.m. Sunday, July 6 through 9:00 p.m. Thursday, July 10th in the following areas:

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1. The Southwest Afognak section
2. That portion of the East Afognak section west of the longitude of Cape Kostromintinof at the eastern entrance to Danger Bay.
3. The General District, except for that portion of the Chiniak section west of a line extending from Cliff Point to Spruce Cape.
4. The Uganik District, except for the South and East Arms of Uganik Bay south of the latitude of Rock Point.
5. The Uyak District, except for that portion of Zachar Bay east of 153°49'12"W. Long.
6. That portion of the Karluk District east of the longitude of Cape Uyak.
7. The Sturgeon River District.
8. The Deadman/Portage Bay section of the Alitak Bay district.
9. The Kukak and Dakavak sections and that portion of the Alinchak section north of the latitude of Cape Kekurnoi in the Mainland district.

CLOSED WATERS will be reduced ONLY in the following area:

At Sturgeon River to the seaward entrance of the lagoon.

The remaining closed water areas will be as described in the 1986 Commercial Finfish regulation book.

At least 24 hours notice will be given prior to any opening in the Red River district, Cape Alitak section, Moser-Olga Bay section or the Cape Igvak section.

In addition, the fresh water portion of the Pauls Bay Creek watershed (stream number 251-831) is closed to subsistence salmon fishing effective 12:00 midnight July 3 until further notice. This includes Pauls Lake, Laura Lake and Gretchen Lake.

JUSTIFICATION:

This emergency order provides for the first fishing period of the General Pink Salmon Fishery as described in the 1986 Kodiak Area Salmon Season General Management plan.

In order to insure that desired "early run" sockeye escapement levels are achieved for major Kodiak sockeye systems, i.e. the Karluk, Red River, and Fraser systems, that portion of the Karluk District south of a line from Cape Uyak to Cape Karluk, the Red River district, and the Cape Alitak and Moser/Olga Bay sections will remain closed.

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In order to achieve minimum escapement levels into several minor sockeye systems, i.e. the Thorsheim, Pauls, Portage and Euskin systems, the North Afognak section and that portion of the Chiniak section west of a line from Spruce Cape to Cliff Point will remain closed.

In the Mainland district, the Cape Igvak section and that portion of the Alinchak section south of the latitude of Cape Kekurnoi will remain closed in order to protect late run sockeye bound primarily for Chignik. The Wide Bay section will also remain closed as local pink and chum stocks are initially harvested in the Cape Igvak fishery. They will also be intercepted at a later date when the Cape Igvak section re-opens or when a surplus of either pink or chum salmon is evident and requires opening of the Wide Bay section.

In order to insure adequate escapement of early chums and sockeye into the Uganik River system, that portion of the east and south arms of Uganik Bay south of the latitude of Rock Point will remain closed as will that portion of Zachar Bay east of 153°49'12"W. Long. in order to insure adequate escapement of early Zachar Bay chums. Heavier than normal harvests of Uganik chums and sockeye and Zachar Bay chums due to abundant fishing time associated with the healthy early Karluk sockeye return necessitate these closures.

Closed waters have been reduced to the seaward entrance of Sturgeon Lagoon because of the excellent build-up of chums in the closed water sanctuary of the lagoon.

In order to further protect the Paul's Lake system's sockeye run, which is at a record low and far below the minimum escapement goal of 20,000 sockeye, all freshwater portions of this system will be closed to subsistence fishing effective 12:00 p.m. July 3, 1986. No freshwater sport fishery on this sockeye stock has been documented either this year or in past years. No commercial fishing time has been allowed on this stock this year.

E.O. 4-F-K-37-86

Issued: July 7, 1986
Effective: July 8, 1986

EXPLANATION: That portion of the Karluk District west of the longitude of Cape Uyak will open effective 6:00 p.m. Tuesday, July 8th and remain open until 9:00 p.m. Thursday, July 10th.

At least 24 hours notice will be given prior to any opening in the Red River district, Cape Alitak section, Moser-Olga Bay section or the Cape Igvak section.

The remainder of the Kodiak Management area will continue to be open as previously announced in E.O. #4-F-K-36-86.

JUSTIFICATION:

The recent escapements through the Karluk weir have averaged only a few hundred fish per day until July 6th when the daily escapement increased to 8,000. It is apparent that the desired escapement goal by July 30th of 350,000 will be achieved and the remainder of the Karluk district may be opened to commercial fishing. The accumulative escapement through the Karluk weir as of this date is 345,255 sockeye.

E.O. 4-F-K-38-86

Issued: July 8, 1986
Effective: July 9, 1986

EXPLANATION: This emergency order provides for a commercial salmon fishery in the Cape Igvak section of the Mainland District effective 6:00 p.m. Wednesday, July 9th until further notice.

The remainder of the Kodiak Management area remains as described in E.O. #4-F-K-36-86.

JUSTIFICATION:

The strength of the second sockeye run has been initially assessed at the Chignik weir and a three day commercial sockeye fishery has been announced for the Chignik Management area beginning June 9th. The harvest percentage in the Cape Igvak area of Chignik bound sockeye has been reduced to approximately 9% during the overlap closure due to good catches in the Chignik area through July 9th. At least 100,000 sockeye must be harvested in the Cape Igvak section in order to provide a harvest level of approximately 15% as of this date as provided in 5 AAC 18.360. By the time the Chignik area harvest is calculated for the opening beginning July 9th an additional 20,000-40,000 sockeye will probably need to be harvested at Cape Igvak in order to achieve the 15% harvest level described in the Cape Igvak Management Plan. Therefore, the Cape Igvak section should be open to commercial salmon fishing until further notice.

E.O. 4-F-K-39-86

Issued: July 10, 1986
Effective: July 12, 1986

EXPLANATION: The following areas will be open to commercial fishing for five days beginning 6:00 p.m. Saturday, July 12 and ending 9:00 p.m. Thursday, July 17.

1. The Afognak district, except for Izhut and Kitoi Bays north of a line extending from Peril Cape to Pillar Cape which remains closed.
2. Uganik, Uyak, Karluk and Sturgeon districts.

3. The General district
4. The entire Alitak district, including that portion of Upper Olga Bay south of a line extending from Stockholm Point to Stormy Point, except for the closed water area off the mouth of Upper Station Creek.

The Kukak, Dakavak and Alinchak sections of the Mainland district will be open for three days beginning 6:00 p.m. Saturday July 12 and ending 9:00 p.m. Tuesday, July 15.

The Cape Igvak section of the Mainland district remains open until further notice.

Closed waters will be reduced at Sturgeon River to the seaward entrance of the lagoon. Closed waters at Pasagshak remain at approximately 1.5 miles from the creek mouth for subsistence and commercial salmon fishing.

Closed waters off the mouth of Upper Station Creek remain in effect as during the last fishing period at approximately 1.2 miles from the terminus of Upper Station Creek.

In addition the fresh water portion of Pauls Bay Creek (stream number 251-831) remains closed to subsistence salmon fishing until further notice. This includes Pauls Lake, Laura Lake and Gretchen Lake.

The remainder of the closed water areas will be as described in the 1986 Finfish Regulation Book.

JUSTIFICATION:

The Afognak district sockeye harvests on local stocks should be minimal by July 12 as most of the sockeye in the minor systems are in the streams or at least in closed waters. A pink fishery should begin intercepting Kitoi Hatchery salmon, however, the area inside of a line from Peril Cape to Pillar Cape will remain closed to protect the Kitoi Bay chum salmon broodstock.

The Cape Igvak harvest percentage has dropped to approximately 8% due to the excellent July 9th sockeye harvest in the Chignik Bay district. The Cape Igvak fishery will remain open continuously until the harvest percentage approaches 15% as described in 5 AAC 18.360. The remainder of the Mainland district will be open for three days to facilitate a harvest on local chum salmon stocks.

All salmon districts on Kodiak Island may be opened to harvest pink salmon based on the excellent forecast with the exception of the Red River district which remains closed to increase sockeye escapements. Less than half of the desired sockeye escapement goal for the second run has been achieved. It is important this year to achieve at least the minimum sockeye escapement goal of 100,000 for the July/August run at Red River prior to the long fishing periods anticipated for the Red River district to harvest surplus pink salmon.

Closed waters will remain reduced at Sturgeon River due to an excellent chum salmon escapement.

The Alitak Bay district will be open to harvest surplus pink and chum salmon as well as sockeye destined for Upper Station. Aerial surveys indicate that approximately 20,000 fish remain in lower Olga Bay, most of which are presumably bound for the Dog Salmon/Fraser system and seem to be holding closer to the Dog Salmon River mouth. The harvest of Fraser bound sockeye is not expected to be significant.

E4-F-K-40-86

Issued: July 16, 1986

Effective: July 19, 1986

EXPLANATION:

1. The following areas will be open for five days beginning 6:00 p.m. Saturday, July 19 and ending 9:00 p.m. Thursday, July 24:

The Uganik, Uyak, Karluk, Sturgeon River, Alitak Bay, General and Afognak districts.

2. The following areas will be open for three days beginning 6:00 p.m. Saturday, July 19 and ending 9:00 p.m. Tuesday, July 22:

The Big River, Kukak, Dakavak and Alinchak sections of the Mainland district.

3. The Cape Igvak section of the Mainland district remains open until further notice. The Wide Bay section remains closed.

4. At least 24 hours notice will be given prior to any opening in the Red River district.

5. Closed waters will be reduced at Sturgeon River to the seaward entrance of the lagoon. Closed waters at Pasagshak remain at approximately 1.5 miles from the creek mouth for subsistence and commercial salmon fishing.

In addition the fresh water portion of Pauls Bay Creek (stream number 251-831) remains closed to subsistence salmon fishing until further notice. This includes Pauls Lake, Laura Lake and Gretchen Lake.

6. The remainder of the closed water areas will be as described in the 1986 Finfish Regulation Book.

JUSTIFICATION:

The pink salmon harvest appears to be near forecast for this early date in the season, while escapements into a few early westside streams are

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also adequate for this time period. Therefore, another five day fishing period for most districts may be announced.

Red River sockeye escapements as well as pink salmon escapements are lagging and approximately 12,000 more sockeye are needed to achieve the minimum escapement goal of 100,000. The Red River district will remain closed until escapements improve.

Minimal effort and harvest for chums north of the Cape Igvak section occurred during the last fishing period and another three day fishing period may be allowed. Shorter fishing periods in this area are anticipated as the season progresses in order to achieve escapements from modest returns of pinks and chums projected for this district.

The Cape Igvak harvest percentage still remains at approximately 9% despite continuous fishing since July 9th. This area will remain open until the harvest percentage approaches 15% as described in 5 AAC 18.360. The Wide Bay section remains closed because of local stock interception during the adjacent Cape Igvak sockeye fishery.

Sturgeon Lagoon will remain open to the entrance for one more fishing period due to a good chum escapement. Thereafter the normal markers will be in effect to allow for a pink salmon fishery.

The closures at Pasagshak and Pauls Creek will remain in effect for the same reasons as described in the previous E.O.'s i.e.; a weak sockeye return and in order to protect an introduced king salmon run.

E.O. 4-F-K-41-86

Issued: July 17, 1986
Effective: July 19, 1986

EXPLANATION:

This emergency order opens the Ayakulik section of the Red River district by flare at approximately 6:00 p.m. Saturday, ~~June~~ ^{July} 19th through 9:00 p.m. Tuesday, July 22nd.

The Curney Bay section of the Red River district and the Big River, Kukak, Dakavak and Alinchak sections of the Mainland district will also be open for three days beginning 6:00 p.m. Saturday, July 19 and ending 9:00 p.m. Tuesday, July 22.

The remaining areas have not been changed from the fisheries described in E.O. 4-F-K-40-86.

JUSTIFICATION:

The minimum sockeye escapement goal of 100,000 for the second sockeye run into the Red River system will probably be achieved by July 20th. Pink salmon are beginning to enter the stream and are expected to

increase dramatically based on the 1986 forecast for this system. An initial opening of three days is not expected to jeopardize escapements.

E.O.4-F-K-42-86

Issued: July 21, 1986
Effective: July 22, 1986

EXPLANATION: This emergency order extends the Uganik, Uyak, Karluk, Sturgeon River, Alitak Bay, General and Afognak districts through Wednesday, July 30th at 9:00 p.m.

Closed waters are reduced at Humpy Cove to the Stream terminus effective 6:00 p.m. Wednesday, July 23rd.

Closed waters remain reduced at Sturgeon River to the seaward entrance of the lagoon. Closed waters at Pasagshak remain at approximately 1.5 miles from the creek mouth for subsistence and commercial salmon fishing.

In addition the fresh water portion of Pauls Bay Creek (stream number 251-281) remains closed to subsistence salmon fishing until further notice. This includes Pauls Lake, Laura Lake and Gretch Lake.

The remainder of the closed water areas will be as described in the 1986 Finfish Regulation Book.

JUSTIFICATION

Pink Salmon catches and escapements are progressing as expected for this date. In addition, there are unusually strong buildups of pink salmon at the heads of most of the bays on the westside of Kodiak Island. Very little effort is on the eastside or north end of the island or in the north and east Afognak sections.

Considering the pink salmon forecast and escapements to date, continuous fishing for another week is warranted in order to maintain quality. Achieving adequate pink escapements this year is apparently not going to be a problem due to the strength of the run.

Minimum sockeye escapement goals have been achieved in Red River although pink salmon escapements are lagging. In order to allow additional sockeye harvest the Red River area will also be extended. If pink escapements continue to lag by late July, this district may be closed for a considerable period until pink escapement goals are achieved.

The Cape Igvak harvest percentage is approximately 11% and will obviously not reach the 15% level described in 5 AAC 18.360. Therefore, the Cape Igvak fishery will continue until at least July 26th.

Chum production on the north mainland will be closely evaluated by aerial survey. Only short fishing periods are expected and no

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additional fishing time will be announced for this area until after aerial surveys are completed during the July 23-25 period.

Escapements of pink salmon into Humpy River are beginning to build and although the desired escapement for this system is far from being achieved it is a major system that historically increases in escapement very rapidly during the next few days. In order to allow the surplus anticipated for this system to be harvested while the pink salmon are of excellent quality, closed waters will be reduced to the stream terminus much earlier than usual. In the event that the desired escapement is not achieved by July 30th, commercial fishing will be sharply curtailed in this area.

E.O.4-F-K-43-86

Issued: July 24, 1986
Effective: July 25, 1986

EXPLANATION: This emergency order closes the Cape Igvak section of the Mainland district to commercial salmon fishing at 12:00 midnight July 25th and opens the Alinchak and Dakavak sections of the Mainland district to commercial salmon fishing for 51 hours from 6:00 p.m. Saturday, July 26th through 9:00 p.m. Monday, July 28th.

Closed waters will be reduced in Kitoi Bay to lines between the ADF&G regulatory markers in front of Big Kitoi Creek (Stream #252-224), and Little Kitoi Creek (Stream #252-223). This reduction in closed waters will become effective at approximately 6:00 p.m. Saturday, July 26th when the Kitoi Bay hatchery personnel fire the red signal flare.

The remainder of the Kodiak Management area is as described in emergency order #4-F-K-42-86.

JUSTIFICATION:

The Cape Igvak section will close on July 25th in order to begin management based on local pink and chum stocks rather than migrating sockeye as described in 5 AAC 18.360.

A 51 hour fishery to harvest local pinks and chums may be allowed in the Dakavak and Alinchak sections; however, the Big River and Kukak sections will remain closed until chum salmon escapements improve.

A commercial fishery may now be allowed in Kitoi Bay to harvest primarily early returning male pink salmon which are surplus to hatchery broodstock requirements.

E.O.4-F-K-44-86

Issued: July 28, 1986
Effective: July 30, 1986

EXPLANATION:

The Big River section of the Mainland district remains closed to commercial salmon fishing until further notice.

The Mainland district south of the Latitude of Cape Chiniak will open to commercial salmon fishing for 51 hours from 6:00 p.m. Thursday, July 31st through 9:00 p.m. Saturday, August 2nd.

The Red River district closes to commercial salmon fishing at 9:00 p.m. on Wednesday, July 30th until further notice.

The Uganik, Uyak, Karluk, Sturgeon River, Alitak Bay, General and Afognak districts are extended to commercial salmon fishing through 9:00 p.m. Saturday, August 2nd.

Closed waters will be reduced in Kitoi Bay to lines between the ADF&G regulatory markers in front of Big Kitoi Creek (Stream #252-224), and Little Kitoi Creek (Stream #252-223).

Closed waters are reduced at Little Waterfall Bay (stream #251-822) to the ADF&G regulatory markers approximately 250 yards from the stream terminus effective 9:00 p.m. July 30th.

Closed waters are reduced at Humpy Cove to the stream terminus.

Closed waters are increased at Sturgeon River lagoon effective 9:00 p.m. Wednesday, July 30 back out to the closed waters as described in 5 AAC 18.350(3)(A).

Closed waters are increased at Pasagshak to approximately 1.5 miles from the creek mouth for subsistence and commercial fisheries.

In addition, the fresh water portion of Pauls Bay Creek (stream number 251-831) remains closed to subsistence salmon fishing until further notice.

The remainder of the closed water areas will be as described in the 1986 Finfish Regulation Book.

JUSTIFICATION:

Pink salmon catches and escapements are progressing as expected for this date. In addition, there are unusually strong buildups of pink salmon at the heads of most of the bays on the westside of Kodiak Island. Very little effort is on the east side or the north end of the island or in the north and east Afognak section.

Considering the pink salmon forecast and escapements to date continuous fishing for three days should not jeopardize escapements and would help maintain quality. Pink escapements at Karluk River are lagging, however closures after August 2nd will increase the escapement if necessary.

Minimum sockeye escapement goals have been achieved in Red River although pink salmon escapements are lagging. In order to allow

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additional sockeye harvest the Red River area was extended. However, pink salmon escapements continue to lag and the Red River district will be closed until escapements improve.

Chum production on the north mainland will be closely evaluated by aerial survey. A short fishing period may be allowed south of Cape Chiniak primarily to harvest surplus chums. Big River section stream escapements are weak for this date. Pink escapements into Waterfall Bay are good for this date and closed waters are reduced in order to maintain quality early on as a surplus of pink salmon is expected to return to this system.

Kitoi Bay will remain open to facilitate a harvest on early returning hatchery pink salmon which are not required for broodstock.

Pink Salmon escapements are lagging at Sturgeon River; therefore the closed waters have been increased back to the regulation book description.

E.O.4-F-K-45-86

Issued: August 1, 1986
Effective: August 2, 1986

EXPLANATION: The Big River section of the Mainland district remains closed to commercial salmon fishing until further notice.

The next fishing period on the Mainland district south of the Latitude of Cape Chiniak will be a 27 hour fishery from 6:00 p.m. Tuesday, August 5 through 9:00 p.m. Saturday, August 6th.

The Red River district is presently closed until further notice and the Karluk district west of the longitude of Rocky Point and the entire Sturgeon River district will close to commercial salmon fishing effective 9:00 p.m. Saturday, August 2nd until further notice.

The following areas are extended to commercial salmon fishing through 9:00 p.m. Wednesday, August 6th:

The Uganik, Uyak, General and Afognak districts and that portion of the Karluk district east of the longitude of Rocky Point and the Cape Alitak and Moser-Olga Bay sections of the Alitak Bay district.

The Deadman Portage Bay section of the Alitak Bay district closes to commercial salmon fishing Saturday, August 2nd until further notice.

Closed waters will remain reduced in Kitoi Bay to lines between the ADF&G regulatory markers in front of Big Kitoi Creek (Stream #252-224), and Little Kitoi Creek (Stream #252-223).

Closed waters remain reduced at Little Waterfall Bay (stream #251-822) to the ADF&G regulatory markers approximately 250 yards from the stream terminus.

Closed waters are increased at Pasagshak to approximately 1.5 miles from the creek mouth for subsistence and commercial fisheries.

In addition, the fresh water portion of Pauls Bay Creek (stream number 251-831) remains closed to subsistence salmon fishing until further notice.

The remainder of the closed water areas will be as described in the 1986 Finfish Regulation Book.

JUSTIFICATION:

The Mainland district escapements are adequate for this date except in the Big River section. Another short fishing period may be allowed south of Cape Chiniak beginning August 5th.

Karluk and Red River pink salmon escapements continue to lag, therefore that area from Rocky Point to Low Cape will remain closed until pink escapements improve.

The late Upper Station sockeye return appears to be very strong and escapements are good for this date. Since the Dog Salmon River pink salmon return is just beginning and it is likely that the pink salmon escapement goal can be achieved with closures later in the month of August; the Cape Alitak and Moser-Olga Bay section will be extended for an additional four days to facilitate a substantial harvest on sockeye that are surplus to escapement requirements at Upper Station.

A closure of the Deadman/Portage Bay section is warranted at this time in order to increase pink and chum escapements into streams in this section. A substantial harvest of quality pink salmon has been achieved at Humpy River and a closure is now required in order to meet the remainder of the escapement goal for that system. The Deadman/Portage Bay section will probably be reopened by August 6th if aerial surveys indicate that escapements into the major systems of Deadman River and Humpy River have improved.

Escapements of both pinks and chums are satisfactory for this date in the Uyak, Uganik, Afognak and General districts; therefore these areas are extended to commercial salmon fishing through August 6th at 9:00 p.m.

E.O.4-F-K-46-86

Issued: August 4, 1986
Effective: August 6, 1986

EXPLANATION: The Big River section of the Mainland district remains closed to commercial salmon fishing until further notice.

The next fishing period on the Mainland district south of the Latitude of Cape Chiniak will be a 27 hour fishery from 6:00 p.m. Tuesday, August 5 through 9:00 p.m. Saturday, August 9th.

The Red River district is presently closed until further notice and the Karluk district west of the longitude of Rocky Point and the entire Sturgeon River district will close to commercial salmon fishing effective 9:00 p.m. Saturday, August 2nd until further notice.

The following areas are extended to commercial salmon fishing through 9:00 p.m. Wednesday, August 9th.

The Uganik, Uyak, General and Afognak districts and that portion of the Karluk district east of the longitude of Rocky Point and the Cape Alitak and Moser-Olga Bay sections of the Alitak Bay district.

The Deadman Portage Bay section of the Alitak Bay district closes to commercial salmon fishing Saturday, August 2nd until further notice.

Closed waters will remain reduced in Kitoi Bay to lines between the ADF&G regulatory markers in front of Big Kitoi Creek (Stream #252-224), and Little Kitoi Creek (Stream #252-223).

Closed waters remain reduced at Little Waterfall Bay (stream #251-822) to the ADF&G regulatory markers approximately 250 yards from the stream terminus.

Closed waters are increased at Pasagshak to approximately 1.5 miles from the creek mouth for subsistence and commercial fisheries.

In addition, the fresh water portion of Pauls Bay Creek (stream number 251-831) remains closed to subsistence salmon fishing until further notice.

The remainder of the closed water areas will be as described in the 1986 Finfish Regulation Book.

JUSTIFICATION:

Escapements remain poor in the Big River section of the Mainland district, although good numbers of fish have been spotted in the bays. This area will remain closed until escapements improve.

The area from Low Cape to Rocky Point will remain closed until escapements improve at Red River and Karluk River for pink salmon.

The Cape Alitak and Moser-Olga Bay sections will remain open through August 9th to harvest surplus sockeye destined for Upper Station. The Upper Station sockeye return is extremely strong. A long closure is expected after August 9th in order to achieve at least minimum pink salmon escapements into Dog Salmon River.

Pink salmon escapements are lagging in Deadman River and more pinks are desired in the other streams in the Deadman/Portage Bay section; therefore, that area will remain closed until further notice.

The General, Afognak, Uganik and Uyak district streams generally have

satisfactory to excellent escapements for this date and these areas can be extended another three days.

Catches have been good and escapements satisfactory on the Mainland south of Cape Chiniak. A four day fishery should harvest quality pinks and chums during the peak of much of the run. A conservative approach will be taken after this fishery in order to insure desired escapements.

E.O.4-F-K-47-86

Issued: August 6, 1986
Effective: August 6, 1986

EXPLANATION:

This emergency order increased closed waters at Kitoi Bay back to the 1986 Regulation Book description. This increase in closed waters is effective at 6:00 p.m. August 6th.

JUSTIFICATION:

Due to fewer than expected pink salmon for this date at the Kitoi Bay Hatchery; closed waters are increased back out to the regulation book description effective 6:00 p.m. Wednesday, August 6.

E.O.4-F-K-48-86

Issued: August 8, 1986
Effective: August 9, 1986

EXPLANATION: The following areas will be extended to commercial salmon fishing from 9:00 p.m. Saturday August 9th through 9:00 p.m. Wednesday, August 13.

- (a) The Uganik, Uyak and General districts.
- (b) That portion of the Karluk district east of the longitude of Rocky Point.
- (c) The Southwest and North Afognak sections and that portion of the East Afognak section west of the longitude of Cape Kostromintinof (Eastern entrance to Danger Bay).

The Alitak Bay district and the Mainland district will remain closed during the extension of this fishing period or until further notice.

The Red River and Sturgeon River districts and that portion of the Karluk district west of the longitude of Rocky Point will also remain closed to commercial salmon fishing until further notice.

Closed waters remain reduced at Little Waterfall Bay (stream #251-822) to the ADF&G regulatory markers approximately 250 yards from the stream terminus.

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Closed waters will be as described in the 1986 Regulation book at Pasagshak for subsistence and commercial fisheries.

The fresh water portion of Pauls Bay Creek including the lake systems remains closed to subsistence salmon fishing until further notice.

The remainder of the closed water areas will be as described in the 1986 Finfish Regulation Book.

JUSTIFICATION:

All major systems between Uyak and Paramanof Bay have received satisfactory to excellent escapements to date with substantial numbers of pink salmon still being harvested on the capes. This area can be extended for several days without jeopardizing season escapement goals to these systems.

The Karluk and Red River systems continue to have poor pink salmon escapements, although considerable numbers of fish are reported near the mouths of these systems. That area from Rocky Point to Low Cape will probably remain closed through the end of the pink salmon return to those systems.

Sockeye escapements into Upper Station are beginning to lag and the pink salmon escapement into Deadman River is weak, while the Dog Salmon River pink salmon escapement is poor. Therefore, the Alitak Bay district will remain closed until further notice. The Upper Station sockeye escapement should improve dramatically within one week after the closure and surplus sockeye may again be available for harvest. However, if the minimum pink salmon escapement into Dog Salmon River is not also assured at that time, it may not be possible to harvest the surplus sockeye bound for Upper Station in the traditional fishing areas.

At this time it appears that the pink salmon return to the Kitoi Bay hatchery is much weaker than expected. In order to insure adequate broodstock for the hatchery that area east of the longitude of Cape Kostromintinof remains closed. The North Afognak section has been extended to provide opportunity for a harvest of coho salmon. A lengthy closure is expected after this fishing period for most areas in this section in order to achieve coho escapement goals and determine if additional coho may be harvested.

A substantial harvest occurred on the Mainland during the last fishing period. Escapements must be reevaluated before another fishery is announced for this district.

E.O.4-F-K-49-86

Issued: August 11, 1986
Effective: August 13, 1986

EXPLANATION: The following areas are extended to commercial salmon fishing from 9:00 p.m. Wednesday August 13th through 6:00 p.m. Saturday, August 16.

- (a) The Uganik and Uyak districts.
- (b) That portion of the Karluk district east of the longitude of Rocky Point.
- (c) The Southwest and North Afognak sections of the Afognak district.
- (d) The Seven Rivers/Kaiugnak, Sitkalidak and Kizhuyak sections of the General district.
- (e) That portion of the Chiniak section of the General district west of the longitude of Cliff Point.

The Deadman/Portage Bay section of the Alitak Bay district will open to commercial fishing beginning 6:00 p.m. Wednesday, August 13 through 6:00 p.m. Saturday, August 16.

The Wide Bay, Cape Igvak, Alinchak and Big River sections of the Mainland district will open to commercial salmon fishing for 27 hours from 6:00 p.m. Wednesday August 13 through 9:00 p.m. Thursday August 14th. The Dakavak section and the Kukak section (Cape Chiniak to Cape Gull) remains closed until further notice.

The Red River and Sturgeon River districts and that portion of the Karluk district west of the longitude of Rocky Point will also remain closed to commercial salmon fishing until further notice.

After 9:00 p.m. Wednesday, August 13, the Uyak section of the General district and the East Afognak section of the Afognak district will remain closed until further notice.

Closed waters remain reduced at Little Waterfall Bay (stream #251-822) to the ADF&G regulatory markers approximately 250 yards from the stream terminus.

The fresh water portion of Pauls Bay Creek including the lake systems remains closed to subsistence salmon fishing until further notice.

The remainder of the closed water areas will be as described in the 1986 Finfish Regulation Book.

JUSTIFICATION:

All major systems between Uyak and Paramanof Bay have received satisfactory to excellent escapements to date with substantial numbers of pink salmon still being harvested on the capes. This area can be extended for several days without jeopardizing season escapement goals to these systems. However, the interception of sockeye is increasing on the westside and a closure is imminent on the capes in order to conserve Karluk sockeye.

The Karluk and Red River systems continue to have poor pink salmon escapements, although considerable numbers of fish are reported near the mouths of these systems. That area from Rocky Point to Low Cape will

probably remain closed through the end of the pink salmon return to those systems.

Sockeye escapements into Upper Station continue to lag and the pink salmon escapement into the Dog Salmon River is poor. Therefore, the Alitak Bay district will remain closed until further notice. The Upper Station sockeye escapement is expected to improve dramatically and surplus sockeye may again be available for harvest. However, if the minimum pink salmon escapement into Dog Salmon River is not also assured at that time, it may not be possible to harvest the surplus sockeye bound for Upper Station in the traditional fishing areas.

Pink salmon escapements have improved at Humpy River, escapements are satisfactory at Portage and Sulua for this date and pink salmon have increased within closed waters in Deadman Bay, therefore the Deadman/Portage Bay section will be open to commercial fishing for three days.

At this time it appears that the pink salmon return to the Kitoi Bay hatchery and the natural stocks at Danger and Afognak Bays are much weaker than expected. In order to insure adequate broodstock for the hatchery and increase stream escapements the east Afognak section remains closed. The North Afognak section has been extended to provide opportunity for a harvest of coho salmon. A lengthy closure is expected after this fishing period in this section in order to achieve coho escapement goals and determine if additional coho may be harvested. The effort and harvest in this section to date has been reported to be very light.

The escapements of pinks and chums into the Ugak section and into the streams in Middle Bay and Kalsin Bay are less than desired for this date and therefore no additional commercial harvest will be allowed until escapements improve.

The Big River section streams have received adequate chum escapements for this date and the Alinchak Cape Igvak and Wide Bay pink and chum salmon escapements are generally satisfactory. A short fishery should allow the harvest of quality incoming fish and not jeopardize escapements.

The pink and chum escapements are lagging behind desired goals for this date in the Kukak and Dakavak sections and therefore these sections will remain closed until escapements improve.

E.O.4-F-K-50-86

Issued: August 12, 1986
Effective: August 12, 1986

EXPLANATION: This emergency order increases closed waters at Little Waterfall Bay. The regulatory markers are moved back out to approximately 500 yards from the stream terminus effective 9:00 p.m. August 12.

JUSTIFICATION:

The escapement through the weir at Waterfall Bay has slowed due to the reduction of closed waters earlier in the season to harvest surplus pink salmon in quality condition. Another 20,000 pink salmon are desired for escapement and only an estimated 2,000 pink salmon are below the first weir and in the bay. In order to increase escapements the regulatory markers should be moved back out to their normal location.

E.O.4-F-K-51-86

Issued: August 14, 1986

Effective: August 14, 1986

EXPLANATION: The following areas will be open to commercial salmon fishing from 6:00 p.m. Sunday, August 17 through 6:00 p.m. Friday, August 22nd.

1. Set gillnet fishing will be allowed in all Upper Olga Bay waters south of a line between Stockholm Point and Stormy Point.
2. The South and East Arms of Uganik Bay, south of the latitude of Rock Point in the Uganik Bay district.
3. All waters of the Kizhuyak section and all waters of the Chiniak section north of a line extending east from Cliff Point at 57°43'30"N. latitude in the General district.

JUSTIFICATION:

The "Westside" sockeye interception of fish bound primarily for Karluk River is steadily increasing while the harvest of pink salmon surplus to escapement requirements in the Uganik district has decreased significantly. In order to achieve sockeye escapement goals at Karluk and still provide a harvest on the remaining pink salmon surplus to escapement requirements in Uganik, the terminal fishing area in the South and East Arms of Uganik Bay will be open while the remainder of the "westside" will be closed until further notice.

The Kizhuyak section of the General district and the Buskin/Women's Bay area are progressing satisfactorily with pink and chum salmon escapements. Additional fishing time is warranted in these areas prior to assessing the strength of the coho return when a more restrictive fishery may be required.

The sockeye escapement into Upper Station has reached the escapement goal for this date and sockeye surplus to escapement requirements are building in Upper Olga Bay. Less than 1,000 pink salmon have entered the Dog Salmon weir where the desired escapement goal is 100,000. Pink salmon are beginning to school near the entrance to Dog Salmon River since the closure of the traditional fishing areas, and those areas will continue to remain closed until pink salmon escapements improve. The

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surplus sockeye traveling past Cape Alitak and through Moser and Lower Olga Bays will be harvested in Upper Olga Bay by gillnets as directed by the State Board of Fisheries and described in the 1986 Moser-Olga Bay Management Plan. The traditional fishing areas will not be reopened while pink salmon destined for the Dog Salmon River require protection.

Several areas are expected to provide another significant fishery but will not be opened until escapements are again evaluated and/or improve. These areas include the Red River, Karluk, Mainland and portions of the General, Alitak Bay and Afognak districts. At least a 24 hour notice will be given prior to any opening in these areas.

E.O. 4-F-K-52-86

Issued: August 16, 1986

Effective: August 18, 1986

EXPLANATION: The following areas will be open for four days from 6:00 p.m. Monday, August 18th through 6:00 p.m. Friday, August 22nd.

1. The Alitak Bay district
2. The Red River district (which opens at approximately 6:00 p.m. by flare).
3. The General district except for the Ugak section which remains closed
4. The Wide Bay, Cape Igvak and Alinchak sections of the Mainland District.

JUSTIFICATION:

The minimum pink salmon goal of 400,000 pinks should be achieved today and the desired escapement of 600,000 pink salmon may be achieved within the next week. Aerial surveys indicate that a surplus of good quality salmon exists along the beach in the Red River district. This area will again open by flare in order to contribute to the orderly fishery concept described in the 1986 Red River Management Plan.

Aerial surveys indicate that sufficient pink salmon have accumulated on Dog Salmon flats to reasonably project that the minimum pink salmon escapement goal of 100,000 will be achieved. The pink salmon escapement through the Dog Salmon River weir is only 17,000 but it is improving daily. Therefore the Cape Alitak and Moser-Olga Bay sections may be opened to commercial fishing in order to facilitate a greater harvest on sockeye surplus to escapement requirements at Upper Station.

Pink and chum salmon escapements in the General district are satisfactory for this date except in the Ugak section. Escapements have improved significantly in the Sid Olds River and escapements have improved in Middle Bay, Barling, Midway Bay, Kaiugnak, Kaguyak, and Kiliuda streams. Some streams such as 7 Rivers have excellent

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escapements for this date. The Ugak Bay section will remain closed however to improve escapements into all systems but particularly Saltery Cove, Hurst Creek and Gull Cape Lagoon.

The pink and chum escapements south of Dakavak Bay on the Mainland are good to excellent for this date and another four day fishery may be allowed. A short fishery in the Dakavak section may be allowed to harvest building pink and chum salmon stocks while they are in quality condition. A few streams are lagging somewhat in escapements to date in the Dakavak section but aerial surveys indicate that a good show of "new" fish should improve escapements soon

The escapements to date in the Big River section are satisfactory and another short chum fishery may be allowed. The Kukak and Halo Bay chum escapements are lagging although sufficient chums are probably present in the bays to achieve escapement if no fishery is allowed. This section will be monitored by aerial survey and if chums surplus to escapement requirements are observed and they can be harvested without endangering the broodstock, additional fishing time will be allowed.

Coho escapements are improving in the Afognak district and another coho/pink fishery may be allowed in certain areas of this district in the near future.

Karluk River pink and chum salmon escapements remain poor and the remainder of the "westside" and south end will not open until Karluk weir escapements improve and/or aerial surveys indicate that sufficient sockeye are in the lagoon and vicinity of the river mouth.

Pink salmon continue to enter Uganik Bay in good numbers and may be harvested in the South and East arm terminal fishery without intercepting salmon destined for Karluk River.

E.O.4-F-K-53-86

Issued: August 20, 1986

Effective: August 22, 1986

EXPLANATION: The following areas will be open to commercial salmon fishing for three days from 6:00 p.m. Friday, August 22nd through 6:00 p.m. Monday, August 25th.

1. The Uyak Bay and Uganik Bay districts and that portion of the Karluk district east of the longitude of Rocky Point.

The following areas will be extended for three days from 6:00 p.m. Friday, August 22nd through 6:00 p.m. Monday, August 25th.

1. The Alitak Bay district including all waters of Upper Olga Bay south of a line from Stockholm Point to Stormy Point.
2. The Red River district.

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3. The General district except for the Ugak section which remains closed.
4. The Wide Bay, Cape Igvak and Alinchak sections of the Mainland district.

The following areas will be open to commercial salmon fishing for 24 hours from 6:00 p.m. Friday, August 22 through 6:00 p.m. Saturday, August 23.

1. The Big River, Dakavak and Kukak sections of the Mainland district.
2. The Afognak district, except for all waters within one statute mile of Shuyak Island which remain closed.

Closed waters are reduced at Kitoi Bay to a line between ADF&G Regulatory markers on the east and west shore of the entrance ("Jaws") to Kitoi Bay.

All remaining closed water areas will be as described in the 1986 Finfish Regulation Book.

JUSTIFICATION:

The broodstock for the Kitoi Bay hatchery is secure and the remaining pink salmon destined for the bay may be harvested near the bay entrance.

The Upper Station sockeye run continues to be strong, while pink salmon escapements are progressing satisfactorily into Dog Salmon and Deadman Rivers. The Alitak Bay district has therefore been extended to commercial fishing. Coho are being intercepted in increasing numbers and if coho escapements are lagging by the end of this fishery, some closures, may be necessary even if all of the surplus Upper Station sockeye have not been harvested.

Satisfactory pink salmon and sockeye salmon total season escapements have been achieved through the Red River weir and coho escapements are satisfactory for this date. As long as it appears that a good coho escapement will be achieved the Red River district will remain open to harvest surplus pink, coho and sockeye salmon.

The Karluk pink salmon escapement is poor, however most pink salmon destined for Karluk River should be in the lagoon. Karluk sockeye escapements are also lagging by about 200,000 sockeye for this date. However, a large number of sockeye have recently moved into the lower lagoon and an excellent show of sockeye has been observed by aerial survey between Rocky Point and the lagoon entrance. It is anticipated that the August escapement goal of Karluk sockeye will eventually be achieved although it is apparent that the fish may not go through the weir until late August or early September. A three day "westside" fishery should not jeopardize the Karluk sockeye escapement and should indicate how strong the September portion of the run may be. If it proves to be at least as strong as the 1985 return, additional fishing time will be warranted including at least a short terminal area fishery at Karluk.

Satisfactory pink and chum salmon escapements have been or are being achieved on the south mainland and the general district except for the Ugak section. These areas may be extended to commercial fishing through August 25.

Afognak Island may be opened for surplus pink salmon and coho traveling outside of normal closed waters. The Shuyak Island waters sustained a significant coho harvest during the last fishing periods and will remain closed until coho escapements are evaluated.

The north Mainland sections are still building with good quality pink and chum returns at Dakavak, Kinak and Kukak bays and coho are also beginning to show at Big River and Swikshak. A one day fishery should provide a harvest on these systems while fish are still in good quality. However, no additional fishing time is expected after this fishery until escapements are again evaluated by aerial survey.

E.O.4-F-K-54-86

Issued: August 24, 1986

Effective: August 25, 1986

EXPLANATION: The following areas will be extended to commercial salmon fishing until further notice:

1. The south and east arms of Uganik Bay south of the latitude of Rock Point.
2. The Red River district.
3. The Alitak Bay district including all waters of Upper Olga Bay south of a line between Stockholm Point and Stormy Point.
4. The Chiniak and Kizhuyak sections of the General district.
5. The Wide Bay, Cape Igvak and Alinchak sections of the Mainland district.

The following area will be open to commercial salmon fishing for 24 hours from 6:00 p.m. Monday, August 25 through 6:00 p.m. Tuesday, August 26.

1. The Dakavak section of the Mainland district.

The following areas will be open for three days from 6:00 p.m. Thursday, August 28th through 6:00 p.m. Sunday, August 31st.

1. The Uyak Bay and Uganik Bay districts and that portion of the Karluk district east of the longitude of Rocky Point.
2. The Seven Rivers/Kaiugnak and Sitkalidak sections of the General district.

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JUSTIFICATION:

Pink and chum salmon surplus to escapement requirements continue to enter Uganik Bay, the General district and the south Mainland. These areas with the exception of the Ugak section have already achieved desired escapements into most streams or are expected to reach the desired escapements soon and considerable additional fishing time can be allowed.

The Kukak and Big River sections have not achieved chum salmon escapement goals and escapements must be evaluated since the last fishery which may have harvested all or most of the surplus. A short fishery in the Dakavak section should harvest a modest surplus (particularly in Dakavak Bay), of pinks and chums.

The Red River and Alitak Bay districts continue to be open to harvest surplus sockeye, coho and pink salmon. The Upper Olga Bay fishery will need to be curtailed soon in order to achieve an adequate coho escapement, however the Dog Salmon River coho escapement is good for this date.

The Afognak district coho escapements need to be evaluated before additional fishing time is warranted, especially in the Shuyak Island area. Pauls Bay and Afognak River coho escapements are satisfactory for this date but it is not apparent at this time whether another fishery would jeopardize the achievement of the total season escapement goal for these systems.

E.O.4-F-K-55-86

Issued: August 26, 1986
Effective: August 27, 1986

EXPLANATION: All waters of Upper Olga Bay south of a line between Stockholm Point and Stormy Point will close to commercial fishing effective Wednesday, August 27 at 6:00 p.m.

The following area will be open to commercial salmon fishing from 6:00 p.m. Tuesday, August 25 until further notice:

1. The Dakavak section of the Mainland district except for all waters of Kinak Bay north of 158°6'N.Lat. which remain closed until further notice.

The remainder of the Kodiak Management area is as described in Emergency Order #4-F-K-54-86.

JUSTIFICATION:

The harvest of sockeye destined for Upper Station has decreased considerably in the Cape Alitak district while the percentage of coho being harvested has increased. Coho escapements are good for this date in lower Olga Bay systems, while the prolonged harvest in Upper Olga Bay

has been detrimental to coho escapements at Upper Station. The traditional fishing areas will remain open to harvest surplus sockeye destined for Upper Station and coho destined for Horse Marine and Dog Salmon River systems. However, the Upper Olga Bay area will be closed until further notice to provide a sanctuary for coho destined for Upper Station. The minimum coho escapement goal for Upper Station is 3,500 and the present escapement through the weir is 300.

The recent storm reduced effort in the Dakavak section. Surplus late run pinks and chums should still be available except in Kinak Bay where minimum escapement goals have not been achieved. Kinak Bay should remain closed until pink salmon escapements improve.

E.O.4-F-K-56-86

Issued: August 28, 1986

Effective: August 29, 1986

EXPLANATION: The following areas are open to commercial salmon fishing until further notice:

1. The Red River district.
2. The Alitak Bay district.
3. The Chiniak and Kizhuyak sections of the General district.
4. The Wide Bay, Cape Igvak and Alinchak sections of the Mainland district.
5. The Dakavak section of the Mainland district except for all waters of Kinak Bay north of 158°6'N.Lat. which remain closed until further notice.
6. The Uyak Bay and Uganik Bay districts and that portion of the Karluk district east of the longitude of Rocky Point.

The following areas will be open to commercial salmon fishing from 12:00 noon Friday, August 29th until further notice.

1. That portion of the Karluk district east of the longitude of Cape Uyak.
2. The Sturgeon River district (all closed waters in this district remain as described in the 1986 regulation book).

The following areas will be open to commercial salmon fishing for 24 hours from 6:00 p.m. Monday, September 1 through 6:00 p.m. Tuesday, September 2.

- (1) The Afognak district except for all waters within one statute mile of Shuyak Island which remain closed until further notice.

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- (2) The Big River section (between Cape Chiniak and Cape Douglas) of the Mainland district.

The following area will be open for three days from 6:00 p.m. Thursday, August 28th through 6:00 p.m. Sunday, August 31st.

1. The Seven Rivers/Kaiugnak and Sitkalidak sections of the General district.

Closed waters will be reduced only in the following areas.

1. In Litnik or Afognak Bay to the subsistence markers at Last Point and Rivermouth Point.
2. In Pauls Bay to within approximately 50 yards of the stream terminus.
3. In Perenosa Bay to the latitude of the Forest Service Cabin.
4. In Danger Bay (Kazakof Bay) north of a line at 58°12'30"N. Latitude.
5. Closed waters are reduced at Kitoi Bay to a line between ADF&G Regulatory markers on the east and west shore of the entrance ("Jaws") to Kitoi Bay.

JUSTIFICATION:

Sockeye are beginning to move in large numbers through the Karluk weir and aerial estimates indicate that escapement requirements of 200-400 thousand additional sockeye will be met when the fish schooled in the ocean near the mouth of the lagoon enter the system. Therefore, commercial fishing may be allowed closer to the terminus of this major producer. Fishing will be allowed in the Sturgeon River district and east of Cape Uyak on the westside of the island until further notice. The lagoons in the Sturgeon River district will remain closed in order to protect coho.

Several areas on Afognak Island have good coho escapements and reductions in closed waters during a one day fishery should facilitate a harvest of coho surplus to escapement requirements.

The Big River section can support a short coho fishery as some coho have already entered the streams. The Kukak section late chum escapement is lagging and no additional fishery will be allowed in this section until the desired escapement goal is assured.

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4-F-K-57-86

Issued: Sept.1, 1986

Effective: September 2, 1986

EXPLANATION:

The following area will be open for two days from 6:00 p.m. Tuesday, September 2nd through 6:00 p.m. Thursday, September 4th.

1. The Karluk district northeast of a line running approximately perpendicular to the beach from midstream Shelikof to the ADF&G regulatory markers located approximately $\frac{1}{2}$ mile northeast of the Karluk Lagoon terminus.

There will be at least a 12 hour notice prior to any additional areas open to commercial fishing in the Karluk district.

Commercial salmon fisheries in the remainder of the Kodiak Mangement area will be as described in E.O. #4-F-K-56-86.

JUSTIFICATION:

The desired Karluk escapement goal for August of 250,000 sockeye has been achieved with good numbers of sockeye in the lagoon and at the entrance to Karluk Lagoon. These sockeye should provide at least the minimum escapement goal for September of 150,000 sockeye once they move above the lagoon through the weir. A two day fishery up to within $\frac{1}{2}$ mile northeast of the lagoon terminus is not expected to jeopardize the September escapement. However, if any illegal fishing occurs inside of the closed water regulatory markers approximately $\frac{1}{2}$ mile from the lagoon terminus, commercial fishing will be closed west of either Cape Uyak or Rocky Point until escapement goals are achieved through the weir.

E.O.4-F-K-58-86

Issued: Sept.3, 1986

Issued: September 5, 1986

EXPLANATION: The following areas will be open to commercial salmon fishing from 12:00 noon Friday, September 5th until further notice.

- (1) The Uyak, Sitkalidak and Seven Rivers/Kalugnak sections of the General district.
- (2) The normal closed waters of lower Olga Bay except that commercial fishing is prohibited in Horse Marine Lagoon and north of a line between closed water regulatory markers on Dog Salmon flats. Upper Olga Bay remains closed to commercial fishing.
- (3) Commercial fishing will be allowed up to the entrance of Saltery Cove Lagoon (Stream #259-415).

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- (4) Commercial fishing will be allowed up to the entrance of the Ocean Beach stream (#258-401) on Sitkalidak Island.

Commercial salmon fisheries in the remainder of the Kodiak Mangement area will be as described in E.O. #4-F-K-57-86.

JUSTIFICATION:

Desired coho escapement goals have been achieved through the weir at Saltery Cove and good coho escapements have been assessed by aerial survey at Miam Creek, and Ocean Beach. Gull Cape lagoon chum escapement is much less than desired but it appears that the chum return to that system is over and a commercial fishery in Ugak Bay for coho would not harvest a significant number of chums destined for Gull Cape Lagoon. Therefore the remainder of the General district may be opened for commercial fishing.

In lower Olga Bay, good coho escapements have been achieved at Dog Salmon and Horse Marine weirs and closed waters may be reduced. Coho escapements at Upper Station remain far below minimum escapement goals. Therefore Upper Olga Bay will not be opened for commercial fishing.

E.O.4-F-K-59-86

Issued: Sept.8, 1986

Effective: September 10, 1986

EXPLANATION: The following areas will be open to commercial salmon fishing from 6:00 p.m. Wednesday, September 10th until further notice.

1. The Big River Section and that portion of the Kukak Section north of the latitude of Cape Nukshak.

The following areas will close to commercial fishing effective 6:00 p.m. Wednesday September 10, until further notice.

1. The Sturgeon River, Uyak Bay and Uganik Bay districts and that portion of the Karluk District east of the longitude of Cape Uyak.

The following areas which are currently open will remain open until further notice.

1. The Red River, Alitak Bay and General Districts.
2. The Dakavak Section except for Kinak Bay north of 58°06'N.lat., the Wide Bay, Cape Igvak and Alinchak sections of the Mainland District.

The normal closed waters of lower Olga Bay are open to commercial fishing except that commercial fishing is prohibited in Horse Marine

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Lagoon and north of a line between closed water regulatory markers on Dog Salmon flats. Upper Olga Bay remains closed to commercial fishing.

Commercial fishing will be allowed up to the entrance of Saltery Cove Lagoon (Stream #259-415).

Commercial fishing will be allowed up to the entrance of the Ocean Beach stream (#258-401) on Sitkalidak Island.

In the Dakavak section all waters of Kinak Bay north of 158°06'N.Lat. are closed until further notice.

All other closed waters are as described in the 1986 Finfish Regulation Book for this fishery.

JUSTIFICATION:

Recent aerial surveys indicate that escapements are sufficient in the Swikshak, Big River and Hallo Bay areas and a commercial fishery may be allowed to harvest coho. The Kukak chum escapement and the Kinak Bay

pink escapement is still less than desired and broodstock may be vulnerable if a commercial fishery were allowed in those bays.

Karluk River coho and sockeye escapements are lagging below September escapement goals and the estimated number of fish holding in the lagoon has decreased considerably. Catches have also dropped markedly although this is partially due to bad weather. Coho escapements to Grants, Halibut and Sturgeon Lagoon are also weak. The westside districts should be closed until escapements improve.

The incidental harvest of coho on the "westside" in what has become an unusually long fishery has probably also diminished coho escapements into other major coho producers on the westside such as Zachar Bay.

Coho escapements into most systems in the Afognak district are generally less than desired for this date. Therefore, no additional fishing periods should be allowed at this time.

E.O.4-F-K-60-86

Issued: Sept.15, 1986

Effective: September 17, 1986

EXPLANATION: The following area will be open to commercial salmon fishing from 6:00 p.m. Wednesday, September 17 until 6:00 p.m. Friday, September 19.

1. The Afognak Island District, except for all waters within one (1) statute mile of Shuyak Island which remains closed until further notice.

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The following area will close to commercial salmon fishing effective 6:00 p.m. Wednesday, September 17 until further notice:

1. That portion of the Chiniak Section east of the longitude of Isthmus Point and that portion of Women's Bay south of the latitude of Cliff Point, from Cliff Point to the opposite shore.

The following areas which are currently open will remain open until further notice:

1. The Red River and Alitak Districts,
2. The General District except for that portion of the Chiniak Section north of the latitude of Cliff Point in Women's Bay from Cliff Point to the opposite shore and west of the longitude of Isthmus Point.
3. The Mainland District, except for that portion of the Kukak Section between Cape Nukshak and Cape Gull and that portion of Kinak Bay north of 58°08'N. lat., both of which remain closed until further notice.

Effective at 6:00 p.m. Wednesday, September 17:

1. Commercial fishing will be allowed to the stream terminus of Paul's Bay Creek (No. 251-831) and to the vicinity of the "jaws" at Kitoi Bay where markers will be posted;
2. Commercial fishing will be allowed up to the stream terminus in all open areas of the Mainland District.

In addition the following closed water adjustments remain in effect until further notice:

1. Commercial fishing will be allowed in the normal closed waters of lower Olga Bay up to the entrance of Horse Marine Lagoon. Upper Olga Bay remains closed to commercial fishing.
2. Commercial fishing will be allowed up to the entrance of Saltery Cove Lagoon (Stream #259-415) and Ocean Beach Stream #258-401.

All other closed waters are as described in the 1986 Finfish Regulation Book for this fishery.

JUSTIFICATION:

Coho escapements are lagging in Women's Bay streams and in Roslyn Creek. Although effort in light waters adjacent to these systems should be closed to commercial fishing. A sportfishing closure may also be necessary if escapements continue to lag.

Closed waters can be reduced to the entrance of streams and lagoons on the Mainland except for streams in Kukak and Kinak Bays. Sufficient escapements have been achieved in most bays and the reduction of closed waters may provide an opportunity to harvest coho. Kukak chums and dark Kinak pinks still require protection.

A short coho fishery on Afognak Island will provide a minimal harvest since most of the coho have either entered the streams or are still required for broodstock. Shuyak Island coho still require protection and normal closed waters must remain in effect in several other areas.

Appendix B. Summary of emergency orders issued for the Kodiak Management Area, 1987.

Emergency Order No.	Time/Date		Action Taken
	Issued	Effective	
29	- 6/06/87	6:00 P.M. 6/09/87	<u>Opening</u> for a 27 hour commercial <u>test fishery</u> 6 P.M. 6/9 - 9:00 P.M. 6/10 - Alitak Bay District
30	9:00 A.M. 6/9/87	6:00 P.M. 6/11/87	<u>Opening</u> for 27 hours 6:00 P.M. 6/11 - 9:00 P.M. 6/12 - Ayakulik Section - start by flare - Karluk District west of 154°23'00" W. long.
31	9:00 A.M. 6/10/87	12:01 A.M. 6/12/87	<u>Opening</u> for 24 hours 12:01 A.M. 6/12 - 12:01 A.M. 6/13. - Cape Igvak Section.
32	3:00 P.M. 6/11/87	12:01 A.M. 6/13/87	<u>Extension</u> for 48 hours 12:01 A.M. 6/13 - 12:01 A.M. 6/15 - Cape Igvak Section
33	12:00 Noon 6/12/87	12:00 Noon 6/14/87	<u>Opening</u> for 33 hours 12:00 Noon 6/14 - 9:00 P.M. 6/15 - The General District <u>except</u> for the Chiniak Section. - Uganik District - Uyak District - Karluk District east of the longitude of Rocky Point. - Kukak and Big River Sections. - Afognak District, <u>except</u> for that portion of the East Afognak Section east of the longitude of Cape Kostromitinof.
34	2:30 P.M. 6/14/87	12:01 A.M. 6/15/87	<u>Extension</u> for 48 hours 12:01 A.M. 6/15 - 12:01 A.M. 6/17 - Cape Igvak Section
35	5:00 P.M. 6/15/87	12:00 Noon 6/17/87	<u>Opening</u> for 57 hours 12:00 Noon 6/17 - 9:00 P.M. 6/19 - Upper Olga Bay portion of Moser/Olga Bay Section south of the latitude of Stockholm Point <u>except</u> 1-1/4 miles from the terminus of Upper Station Creek.
37	4:30 P.M. 6/16/87	12:01 A.M. 6/17/87	<u>Extension</u> for 48 hours 12:01 A.M. 6/17 - 12:01 A.M. 6/19 - Cape Igvak Section

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Emergency Order No.	Time/Date		Action Taken
	Issued	Effective	
38	1:00 P.M. 6/18/87	12:01 A.M. 6/19/87	<u>Extension</u> for 48 hours 12:01 A.M. 6/19 - 12:01 A.M. 6/21
		12:00 Noon 6/20/87	- Cape Igvak Section <u>Opening</u> for 33 hours 12:00 Noon 6/20 - 9:00 P.M. 6/21 - General District, <u>except</u> for the Chiniak Section. - Uganik District - Uyak District - Karluk District east of the longitude of Rocky Point. - Kukak and Big River Sections. - Afognak District, <u>except</u> for that portion of the East Afognak Section east of the longitude of Cape Kostromitinof.
39	12:30 P.M. 6/20/87	12:01 A.M. 6/21/87	<u>Extension</u> for 48 hours 12:01 A.M. 6/21 - 12:01 A.M. 6/23 - Cape Igvak Section
40	2:00 P.M. 6/22/87	12:01 A.M. 6/23/87	<u>Extension</u> for 48 hours 12:01 A.M. 6/23 - 12:01 A.M. 6/25 - Cape Igvak Section
		12:00 Noon 6/24/87	<u>Opening</u> for 57 hours 12:00 Noon 6/24 - 9:00 P.M. 6/26 - S.W. Afognak Section - Kizhuyak Section - Uganik Section - Uyak Section - Karluk District east of the longitude of Rocky Point.
		12:00 Noon 6/24/87	<u>Opening</u> for 105 hours 12:00 Noon 6/24 - 9:00 P.M. 6/28 - Upper Olga Bay portion of Moser/Olga Bay Section south of the latitude of Stockholm Point <u>except</u> 1-1/4 miles from terminus of Upper Station Creek.
41	12:00 Noon 6/24/87	12:01 A.M. 6/25/87	<u>Extension</u> for 48 hours 12:01 A.M. 6/25 - 12:01 A.M. 6/27. - Cape Igvak Section
		6:00 P.M. 6/25/87	<u>Opening</u> for 24 hours 6:00 P.M. 6/25 - 6:00 P.M. 6/26 - Upper Olga Bay portion of the Moser/Olga Bay Section south of the latitude of Stockholm Point to the ADF&G markers at the terminus of Upper Station Creek.

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Emergency Order No.	Time/Date		Action Taken
	Issued	Effective	
41 (Cont.)		12:00 Noon 6/26/87	<u>Opening</u> for 81 hours 12:00 Noon 6/26 - 9:00 P.M. 6/29
			- Gurney Bay Section - Sturgeon River District - Karluk District between the longitude of Rocky Point and the latitude of Pafco Point
		9:00 P.M. 6/26/87	<u>Extension</u> for 72 hours 9:00 P.M. 6/26 - 9:00 P.M. 6/29
			- S.W. Afognak Section - Kizhuyak Section - Uganik District - Uyak District - Karluk District east of the longitude of Rocky Point.
42	1:00 P.M. 6/26/87	6:00 P.M. 6/26/87	<u>Extension</u> for 51 hours 6:00 P.M. 6/26 - 9:00 P.M. 6/28
			- Upper Olga Bay portion of the Moser/Olga Bay Section south of the latitude of Stockholm Point to the ADF&G markers at the terminus of Upper Station Creek.
		12:01 A.M. 6/27/87	<u>Extension</u> for 48 hours 12:01 A.M. 6/27 - 12:01 A.M. 6/29
			- Cape Igvak Section
43	1:00 P.M. 6/28/87	9:00 P.M. 6/29/87	<u>Extension</u> for 72 hours 9:00 P.M. 6/29 - 9:00 P.M. 7/2
			- Gurney Bay Section - Sturgeon River District - Karluk District north of the latitude of Pafco Point. - Uganik District - Uyak District - S.W. Afognak Section - Kizhuyak Section - Upper Olga Bay portion of the Moser/Olga Bay Section south of the latitude of Stockholm Point to the ADF&G markers at the terminus of Upper Station Creek. (The closed water sanctuary 1-1/4 miles from the Upper Station Creek stream terminus will become effective 9:00 P.M. 6/28).

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Emergency Order No.	Time/Date		Action Taken
	Issued	Effective	
44	4:00 P.M. 7/02/87	9:00 P.M. 7/02/87	<p><u>Extension</u> for 120 hours 9:00 P.M. 7/02 - 9:00 P.M. 7/07</p> <ul style="list-style-type: none"> - Upper Olga Bay portion of the Moser/Olga Bay Section south of the latitude of Stockholm Point and north of the closed water sanctuary 1-1/4 miles off the mouth of Upper Station Creek.
45	11:00 A.M. 7/03/87	12:00 Noon 7/06/87	<p><u>Opening</u> for 81 hours 12:00 Noon 7/06 - 9:00 P.M. 7/09</p> <ul style="list-style-type: none"> - Big River, Kukak, Dakavak and Alinchak Sections. - S.W. Afognak and North Afognak Sections and E. Afognak Section west of the longitude of Cape Kostromitinof. - Uganik District - Uyak district - Karluk District north of the latitude of Pafco Point. - Sturgeon River District north of the latitude of Sturgeon Head. - General District <u>except</u> in the Chiniak Section all waters west of a line extending from Cliff Point to Spruce Cape.
46	12:00 Noon 7/09/87	12:01 A.M. 7/11/87	<p><u>Opening</u> for 48 hours 12:01 A.M. 7/11 - 12:01 A.M. 7/13</p> <ul style="list-style-type: none"> - Cape Igvak Section
		12:00 Noon 7/13/87	<p><u>Opening</u> for 57 hours 12:00 Noon 7/13 - 9:00 P.M. 7/15</p> <ul style="list-style-type: none"> - Alitak Bay District - Gurney Bay Section - Sturgeon River District - Karluk District between the latitude of Pafco Point and the longitude of Rocky Point. - Alinchak, Dakavak, Kukak and Big River Sections.
		12:00 Noon 7/13/87	<p><u>Opening</u> for 81 hours 12:00 Noon 7/13 - 9:00 P.M. 7/16</p> <ul style="list-style-type: none"> - Karluk District east of the longitude of Rocky Point. - Uganik District - Uyak District - General District

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Emergency Order No.	Time/Date		Action Taken
	Issued	Effective	
46 (Cont.)			- Afognak District <u>except</u> that portion of the east Afognak Section north of a line running from Peril Cape to Pillar Cape.
47	12:00 Noon 7/12/87	12:01 A.M. 7/13/87	<u>Extension</u> for 24 hours 12:01 A.M. 7/13 - 12:01 A.M. 7/14. - Cape Igvak Section
48	3:30 P.M. 7/13/87	12:01 A.M. 7/14/87	<u>Extension</u> for 48 hours 12:01 A.M. 7/14 - 12:01 A.M. 7/16 - Cape Igvak Section
49	10:30 A.M. 7/15/87	12:01 A.M. 7/16/87	<u>Extension</u> for 24 hours 12:01 A.M. 7/16 - 12:01 A.M. 7/17 - Cape Igvak Section
50	11:00 A.M. 7/17/87	12:00 Noon 7/20/87	<u>Opening</u> for 57 hours 12:00 Noon 7/20 - 9:00 P.M. 7/22 - Afognak District - Uganik District - Uyak District - Karluk District east of a longitude of Rocky Point. - Alitak District - General District - Alinchak, Dakavak, Kukak and Big River Sections
51	Missing	12:00 Noon 7/27/87	<u>Opening</u> for 33 hours 12:00 Noon 7/27 - 9:00 P.M. 7/28 - Afognak District - Uganik District - Uyak District - General District - Karluk District east of the longitude of Rocky Point. - Deadman/Portage Bay Section - Mainland District
52	3:00 P.M. 7/26/87	9:00 P.M. 7/28/87	<u>Extension</u> for 24 hours 9:00 P.M. 7/28 - 9:00 P.M. 7/29 - Afognak District - Uganik District - Uyak District - General District - Karluk District east of the longitude of Rocky Point.

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Emergency Order No.	Time/Date		Action Taken
	Issued	Effective	
52 (Cont.)		12:00 Noon 7/28/87	- Deadman/Portage Bay Section
			- Mainland District
			<u>Opening</u> for 33 hours 12:00 Noon 7/28 - 9:00 P.M. 7/29
			- Cape Alitak and Moser/Olga Bay Sections.
53	1:00 P.M. 7/29/87	9:00 P.M. 7/29/87	<u>Extension</u> for 48 hours 9:00 P.M. 7/29 - 9:00 P.M. 7/31
			- Alitak Bay District
			- 7-Rivers/Kaiugnak Section
		12:00 Noon 7/30/87	<u>Opening</u> for 33 hours 12:00 Noon 7/30 - 9:00 P.M. 7/31
			- Gurney Bay Section
			- Sturgeon District south of the latitude of Sturgeon Head.
54	10:00 A.M. 7/31/87	9:00 P.M. 7/31/87	<u>Extension</u> for 96 hours 9:00 P.M. 7/31 - 9:00 P.M. 8/04
			- Alitak Bay District
			- 7-Rivers/Kaiugnak Section
			- Gurney Bay Section
			- Sturgeon District south of the latitude of Sturgeon Head.
		12:00 Noon 8/02/87	<u>Opening</u> for 57 hours 12:00 Noon 8/02 - 9:00 P.M. 8/04.
			- Afognak District
			- Uganik District
			- Uyak District
			- Karluk District east of the longitude of Rocky Point.
			- Kizhuyak, Chiniak and Sitkalidak Sections
			- Uyak Section east of the longitude of Gull Point.
			- Wide Bay, Cape Igvak, Alinchak and Dakavak Sections.
			- Kukak Section south of the latitude of Cape Nukshak
55	10:00 A.M. 8/06/87	12:00 Noon 8/8/87	<u>Opening</u> for 105 hours 12:00 Noon 8/08 - 9:00 P.M. 8/12
			- Alitak Bay District
			- Gurney Bay Section and Sturgeon District south of the latitude of Sturgeon Head.

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Emergency Order No.	Time/Date		Action Taken
	Issued	Effective	
55 (Cont.)			<ul style="list-style-type: none"> - 7-Rivers/Kaiugnak section south of the latitude of Boot Point.
		12:00 Noon 8/10/87	<p><u>Opening</u> for 57 hours 12:00 Noon 8/10 - 9:00 P.M. 8/12</p> <ul style="list-style-type: none"> - Karluk District east of the longitude of Rocky Point. - Uganik District - Uyak District - Afognak District - Kizhuyak, Chiniak and Sitkalidak Sections - 7-Rivers/Kaiugnak Section north of the latitude of Boot Point. - Uyak Section east of the longitude of Gull Point. - Kukak Section south of the latitude of Cape Nukshak.
56	4:00 P.M. 8/11/87	9:00 P.M. 8/12/87	<p><u>Extension</u> for 72 hours 9:00 P.M. 8/12 - 9:00 P.M. 8/15</p> <ul style="list-style-type: none"> - Karluk District east of the longitude of Rocky Point. - Uganik District - Uyak District - Kizhuyak, Chiniak and 7-Rivers/Kaiugnak Sections - East Afognak Section north of a line from Peril Cape to Pillar Cape. - Alitak Bay District - Gurney Bay Section and the Sturgeon District south of the latitude of Sturgeon Head. - Kukak Section south of the latitude of Cape Nukshak.
57	9:00 A.M. 8/14/87	12:00 Noon 8/18/87	<p><u>Opening</u> for 54 hours 12:00 Noon 8/18 - 6:00 P.M. 8/20</p> <ul style="list-style-type: none"> - Karluk District east of the longitude of Rocky Point. - Uganik District - Uyak District - Kizhuyak, Chiniak, Sitkalidak and 7-Rivers/Kaiugnak Sections - Alitak Bay District

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Emergency Order No.	Time/Date		Action Taken
	Issued	Effective	
57 (Cont.)			<ul style="list-style-type: none"> - Gurney Bay Section and Sturgeon District south of the latitude of Sturgeon Head. - Kukak Section south of the latitude of Cape Nukshak. - Afognak District
58	10:00 A.M. 8/20/87	6:00 P.M. 8/20/87	<p><u>Extension</u> for 48 hours 6:00 P.M. 8/20 - 6:00 P.M. 8/22</p> <ul style="list-style-type: none"> - Alitak Bay District - 7-Rivers/Kaiugnak and Sitkalidak Sections - Chiniak Section east of the longitude of Cliff Point. - Kizhuyak Section in that portion of Kizhuyak Bay south of 57°50'00" N. lat. and in Sharatin Bay south of 57°51'09" N. lat. - Uganik District in that portion of Uganik Bay between the latitudes of Rock Point and Packer's Spit.
59	9:00 A.M. 8/25/87	12:00 Noon 8/27/87	<p><u>Opening</u> for 54 hours 12:00 Noon 8/27 - 6:00 P.M. 8/29</p> <ul style="list-style-type: none"> - Ayakulik Section - Deadman/Portage Section - 7-Rivers/Kaiugnak Section - Sitkalidak Section - Ugak Section - Chiniak Section east of the longitude of Cliff Point. - North Afognak Section <u>except</u> for Shuyak Island and all navigable waters within 1 nautical mile of Shuyak Island. - Big River Section
60	2:00 P.M. 8/28/87	12:00 Noon 8/31/87	<p><u>Opening</u> for 54 hours 12:00 Noon 8/31 - 6:00 P.M. 9/02</p> <ul style="list-style-type: none"> - Karluk District east of the longitude of Rocky Point. - Uganik District - Uyak District - Alitak Bay District - General District <u>except</u> for that portion of the Chiniak Section west of the longitude of Cliff Point.

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Emergency Order No.	Time/Date		Action Taken
	Issued	Effective	
60 (Cont.)			<ul style="list-style-type: none"> - East Afognak Section - Wide Bay, Cape Igvak, Alinchak and Big River Sections.
61	12:00 Noon 9/07/87	12:00 Noon 9/09/87	<p><u>Opening</u> for 30 hours 12:00 Noon 9/09 - 6:00 P.M. 9/10</p> <ul style="list-style-type: none"> - Chiniak Section <p>12:00 Noon 9/09/87</p> <p><u>Opening</u> for 54 hours 12:00 Noon 9/09 - 6:00 P.M. 9/11</p> <ul style="list-style-type: none"> - Karluk District east of the longitude of Rocky Point. - Uganik District - Uyak District - Kizhuyak, Ugak, Sitkalidak and 7-Rivers/Kaiugnak Sections. - Alitak Bay District - Red River District - Big River, Cape Igvak and Wide Bay Sections.
62	9:00 A.M. 9/14/87	12:00 Noon 9/16/87	<p><u>Opening</u> for 30 hours 12:00 Noon 9/16 - 6:00 P.M. 9/17</p> <ul style="list-style-type: none"> - S.W. Afognak Section - Sturgeon River District <p>12:00 Noon 9/16/87</p> <p><u>Opening</u> for 102 hours 12:00 Noon 9/16 - 6:00 P.M. 9/20</p> <ul style="list-style-type: none"> - Karluk District east of the longitude of Rocky Point. - Alitak Bay District - Red River District - Uganik District - Uyak District - General District <u>except</u> that portion of the Chiniak Section east of the longitude of Isthmus Point and that portion of the Ugak Section west of the longitude of Gull Point. - Mainland District <u>except</u> for that portion of the Kukak Bay Section west of the longitude of 154°1'00" W. long.
63	4:30 P.M. 9/16/87	12:00 Noon 9/17/87	<p><u>Closure</u> effective 12:00 Noon 9/17</p> <ul style="list-style-type: none"> - Sitkalidak and 7-Rivers/Kaiugnak Sections

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Emergency Order No.	Time/Date		Action Taken
	Issued	Effective	
64	5:30 P.M. 9/19/87	12:01 A.M. 9/20/87	<p><u>Extension</u> until further notice 12:01 A.M. 9/20 - 6:00 P.M. 10/31.</p> <ul style="list-style-type: none"> - Karluk District east of the longitude of Rocky Point. - Uganik District - Uyak District - Chiniak Section west of the longitude of Isthmus Point. - Ugak Section east of the longitude of Gull Point. - Alitak Bay District - Red River District - Mainland District <u>except</u> for Kukak Bay west of 154°11'00" W. long.
65	2:30 P.M. 9/21/87	12:00 Noon 9/24/87	<p><u>Opening</u> for 30 hours 12:00 Noon 9/24 - 6:00 P.M. 9/25</p> <ul style="list-style-type: none"> - Karluk District west of the longitude of Rocky Point. - East Afognak Section - S.W. Afognak Section
66	10:00 A.M. 10/1/87	9:00 A.M. 10/3/87	<p><u>Opening</u> for 9 hours 9:00 A.M. 10/3 - 6:00 P.M. 10/3</p>
		9:00 A.M. 10/6/87	<p><u>Opening</u> for 9 hours 9:00 A.M. 10/6 - 6:00 P.M. 10/6</p>
		9:00 A.M. 10/9/87	<p><u>Opening</u> for 9 hours 9:00 A.M. 10/9 - 6:00 P.M. 10/9</p> <ul style="list-style-type: none"> - That portion of the Karluk Lagoon east of the seaward entrance of the lagoon and west of the King Hole where ADF&G markers will be placed.

Appendix C.1. Commercial salmon harvest by management unit, by statistical week, and all gear combined, Kodiak Management Area, 1986.

Section (Stat. Area)	Stat Week/ Week End	Chinook			Sockeye			Coho			Pink			Chum		
		#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.
S.W. Afognak & Raspberry (Combined) (251-10, 20)	26 06/28	4	21	5.3	2792	13331	4.8	1	8	8.0	1360	4540	3.3	478	3469	7.3
	27 07/05	30	184	6.1	766	3986	5.2	4	25	6.3	2756	9670	3.5	675	5128	7.6
	28 07/12	55	399	7.3	2039	11023	5.4	130	935	7.2	20826	78876	3.8	1556	12192	7.8
	29 07/19	19	263	13.8	9604	52580	5.5	685	4889	7.1	157533	594935	3.8	8480	64816	7.6
	30 07/26	8	96	12.0	9765	54467	5.6	307	2116	6.9	276976	1027214	3.7	10285	74599	7.3
	31 08/02	2	36	18.0	1867	11261	6.0	176	1298	7.4	134676	502970	3.7	2420	18237	7.5
	32 08/09	1	42	42.0	3466	19770	5.7	416	3300	7.9	69770	269188	3.9	4360	33361	7.7
	33 08/16	0	0	0.0	5254	31113	5.9	1516	11747	7.7	75161	290688	3.9	2155	15085	7.0
	34 08/23	0	0	0.0	0	0	0.0	258	2408	9.3	0	0	0.0	0	0	0.0
	36 09/06	0	0	0.0	1533	9628	6.3	1020	10072	9.9	138	391	2.8	19	133	7.0
	38 09/20	0	0	0.0	0	0	0.0	376	3922	10.4	0	0	0.0	0	0	0.0
	Total	119	1041	8.7	37086	207159	5.6	4889	40720	8.3	739196	2778472	3.8	30428	227020	7.5
N.W. Afognak (251-30, 40, 50)	25 06/21	0	0	0.0	265	1176	4.4	0	0	0.0	0	0	0.0	0	0	0.0
	26 06/28	0	0	0.0	4204	19520	4.6	0	0	0.0	0	0	0.0	0	0	0.0
	28 07/12	0	0	0.0	2	12	6.0	0	0	0.0	1485	6212	4.2	5	42	8.4
	29 07/19	0	0	0.0	111	694	6.3	4	25	6.3	3625	14143	3.9	140	1071	7.7
	31 08/02	0	0	0.0	0	0	0.0	0	0	0.0	2650	10367	3.9	577	4886	8.5
	32 08/09	0	0	0.0	12	73	6.1	0	0	0.0	4005	10698	2.7	201	1459	7.3
	33 08/16	0	0	0.0	20	98	4.9	506	4054	8.0	9529	31720	3.3	25	196	7.8
	34 08/23	1	9	9.0	0	0	0.0	240	1953	8.1	2329	7857	3.4	24	269	11.2
	35 08/30	0	0	0.0	0	0	0.0	24	172	7.2	2546	6862	2.7	0	0	0.0
	36 09/06	0	0	0.0	0	0	0.0	15	112	7.5	0	0	0.0	0	0	0.0
	Total	1	9	9.0	4614	21573	4.7	789	6316	8.0	26169	87859	3.4	972	7923	8.2
Shayak (251-60, 70, 81)	32 08/09	0	0	0.0	48	155	3.2	72	499	6.9	390	1094	2.8	0	0	0.0
	33 08/16	0	0	0.0	2	12	6.0	3698	28337	7.7	3507	11115	3.2	0	0	0.0
	34 08/23	0	0	0.0	0	0	0.0	339	2681	7.9	450	1728	3.8	24	269	11.2
Total		0	0	0.0	50	167	3.3	4109	31517	7.7	4347	13937	3.2	24	269	11.2
Perenosa (251-83,83)	31 08/02	0	0	0.0	3240	14230	4.4	0	0	0.0	420	1622	3.9	0	0	0.0
	32 08/09	0	0	0.0	12	66	5.5	941	7625	8.1	37628	130079	3.5	586	4200	7.2
	33 08/16	0	0	0.0	0	0	0.0	481	3701	7.7	24396	89269	3.7	54	462	8.6
	35 08/30	0	0	0.0	0	0	0.0	17	150	8.8	150	524	3.5	0	0	0.0
	36 09/06	0	0	0.0	29	178	6.1	761	6408	8.4	0	0	0.0	0	0	0.0
Total		0	0	0.0	3281	14474	4.4	2200	17884	8.1	62594	221494	3.5	640	4662	7.3
N.E. Afognak (251-90,252-10,20)	28 07/12	0	0	0.0	286	1545	5.4	11	97	8.8	843	2758	3.3	164	1295	7.9
	30 07/26	0	0	0.0	652	2858	4.4	0	0	0.0	542	1825	3.4	1	8	8.0
	33 08/16	2	51	25.5	291	1758	6.0	17	144	8.5	2745	10752	3.9	95	699	7.4
Total		2	51	25.5	1229	6161	5.0	28	241	8.6	4130	15335	3.7	260	2002	7.7
Total (251-100)	31 08/02	0	0	0.0	414	1878	4.5	156	1063	6.8	64556	214842	3.3	19	115	6.1
	32 08/09	0	0	0.0	802	3879	4.8	506	3830	7.6	99676	350665	3.5	106	718	6.8
	33 08/16	0	0	0.0	1	4	4.0	36	207	5.8	9142	30167	3.3	0	0	0.0
	34 08/23	0	0	0.0	0	0	0.0	186	1741	9.4	1456	4840	3.3	0	0	0.0
	38 09/20	0	0	0.0	0	0	0.0	729	5938	8.1	0	0	0.0	0	0	0.0
Total		0	0	0.0	1217	5761	4.7	1613	12779	7.9	174830	600514	3.4	125	833	6.7

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Section (Stat. Area)	Stat Week/ Week End	Chinook			Sockeye			Coho			Pink			Chum		
		#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.
Kitoi Bay (252-32)	30 07/26	0	0	0.0	179	883	4.9	9	67	7.4	8778	28883	3.3	128	949	7.4
	31 08/02	0	0	0.0	58	292	5.0	2	17	8.5	18297	57840	3.2	49	307	6.3
	32 08/09	0	0	0.0	192	989	5.2	56	398	7.1	26304	89969	3.4	0	0	0.0
	36 09/06	0	0	0.0	0	0	0.0	288	2725	9.5	0	0	0.0	0	0	0.0
	Total	0	0	0.0	429	2164	5.0	355	3207	9.0	53379	176692	3.3	177	1256	7.1
Duck Bay (252-31)	29 07/19	0	0	0.0	53	384	7.2	3	28	9.3	482	1608	3.3	14	139	9.9
	30 07/26	0	0	0.0	186	1137	6.1	0	0	0.0	3270	10533	3.2	46	300	6.5
	31 08/02	1	21	21.0	396	1914	4.8	326	2330	7.1	24758	83494	3.4	1017	8035	7.9
	32 08/09	2	10	5.0	848	4206	5.0	1050	8110	7.7	59991	210560	3.5	285	2135	7.5
	34 08/23	0	0	0.0	19	92	4.8	20	119	6.0	1043	3861	3.7	6	43	7.2
	36 09/06	0	0	0.0	0	0	0.0	110	980	8.9	0	0	0.0	0	0	0.0
Total		3	31	10.3	1502	7733	5.1	1509	11567	7.7	89544	310056	3.5	1368	10652	7.8
S.E. Afognak (252-33, 34)	25 06/21	2	40	20.0	858	3743	4.4	0	0	0.0	39	147	3.8	12	128	10.7
	26 06/28	2	49	24.5	488	1978	4.1	0	0	0.0	2	7	3.5	0	0	0.0
	28 07/12	1	7	7.0	681	3752	5.5	134	740	5.5	4313	14723	3.4	288	2135	7.4
	29 07/19	4	71	17.8	722	4561	6.3	23	157	6.8	6307	20491	3.2	155	1274	8.2
	30 07/26	0	0	0.0	499	2708	5.4	10	62	6.2	3040	9529	3.1	177	1095	6.2
	31 08/02	0	0	0.0	210	1107	5.3	0	0	0.0	1917	6134	3.2	186	1757	9.4
	32 08/09	0	0	0.0	298	1781	6.0	192	1416	7.4	5555	20659	3.7	27	206	7.6
	33 08/16	0	0	0.0	0	0	0.0	122	777	6.4	606	2625	4.3	0	0	0.0
	36 09/06	0	0	0.0	0	0	0.0	168	1524	9.1	0	0	0.0	0	0	0.0
	38 09/20	0	0	0.0	0	0	0.0	45	500	11.1	0	0	0.0	0	0	0.0
	Total	9	167	18.6	3756	19630	5.2	694	5176	7.5	21779	74315	3.4	845	6595	7.8
Central, Terror Bay, Inner Uganik, Spiridon, Zachar, & Uyak Combined (253-11, 12, 13, 14, 31, 32, 33, 35, 25410, 20 30, 40)	25 06/21	70	1117	16.0	48069	250818	5.2	20	120	6.0	897	3071	3.4	5025	37417	7.4
	26 06/28	164	2163	13.2	91656	464026	5.1	21	158	7.5	4672	16595	3.6	21104	162034	7.7
	27 07/05	153	2481	16.2	56687	293957	5.2	123	819	6.7	33284	122102	3.7	39730	309810	7.8
	28 07/12	116	1366	11.8	52278	280103	5.4	1039	7103	6.8	169720	629857	3.7	55351	436876	7.9
	29 07/19	98	1570	16.0	82658	478355	5.8	4414	30432	6.9	745270	2743177	3.7	80509	628143	7.8
	30 07/26	76	1497	19.7	103255	640474	6.2	4055	29751	7.3	1731133	6304682	3.6	105853	579668	5.5
	31 08/02	63	913	14.5	43878	270918	6.2	3478	25248	7.3	1370413	5041662	3.7	52633	417834	7.9
	32 08/09	87	1111	12.8	74363	451721	6.1	7508	58322	7.8	1058021	3975206	3.8	68682	536891	7.8
	33 08/16	37	589	15.9	125317	794152	6.3	9553	78067	8.2	666585	2573469	3.9	30504	222941	7.3
	34 08/23	0	0	0.0	12524	77667	6.2	1192	10501	8.8	313898	1275595	4.1	10342	72906	7.0
	35 08/30	1	9	9.0	65863	407631	6.2	9659	86356	8.9	299951	1173299	3.9	4553	35794	7.9
	36 09/06	3	23	7.7	29564	188771	6.4	14248	134650	9.5	39046	153227	3.9	1249	8594	6.9
	37 09/13	0	0	0.0	727	4809	6.6	344	3215	9.3	84	336	4.0	175	1614	9.2
	Total	868	12839	14.8	786839	4603402	5.9	55654	464742	8.4	6432974	24012278	3.7	475710	3E+06	7.3
North Cape, Anton Larsen, Sheratin, & Kizhuyak Combined (259 36, 37, 38, 39)	25 06/21	0	0	0.0	615	3199	5.2	0	0	0.0	33	109	3.3	21	165	7.9
	26 06/28	4	94	23.5	1671	8726	5.2	0	0	0.0	459	1750	3.8	144	1092	7.6
	27 07/05	11	165	15.0	4236	22008	5.2	71	415	5.8	10572	36916	3.5	2211	16391	7.4
	28 07/12	5	65	13.0	8983	52108	5.8	601	3601	6.0	54966	191852	3.5	4733	34349	7.3
	29 07/19	1	35	35.0	5931	36791	6.2	249	1783	7.2	42509	149075	3.5	1904	14299	7.5
	30 07/26	3	117	39.0	3425	20443	6.0	82	557	6.8	32104	112795	3.5	1386	10109	7.3
	31 08/02	7	79	11.3	1375	8052	5.9	174	1179	6.8	30993	114682	3.7	2872	21345	7.4
	32 08/09	3	6	2.0	2196	12455	5.7	725	5526	7.6	53720	201987	3.8	3596	27311	7.6
	33 08/16	4	55	13.8	196	1102	5.6	502	4071	8.1	27939	106200	3.8	3311	25969	7.8
	34 08/23	1	8	8.0	71	503	7.1	453	3872	8.5	12722	47163	3.7	946	7267	7.7
	35 08/30	0	0	0.0	5	15	3.0	463	3913	8.5	0	0	0.0	2	11	5.5

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Appendix C.1. (page 3 of 8)

Section (Stat. Area)	Stat Week/ Week End	Chinook			Sockeye			Coho			Pink			Chum		
		#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.
(Cont.)	36 09/06	0	0	0.0	0	0	0.0	118	1052	8.9	75	275	3.7	596	4279	7.2
	37 09/13	0	0	0.0	0	0	0.0	50	432	8.6	6	21	3.5	82	563	6.9
	38 09/20	0	0	0.0	2	14	7.0	149	1333	8.9	0	0	0.0	16	116	7.3
	39 09/27	0	0	0.0	0	0	0.0	116	1048	9.0	0	0	0.0	0	0	0.0
Total		39	624	16.0	28706	165416	5.8	3753	28782	7.7	266098	962825	3.6	21820	163266	7.5
Outer Karluk (255-20)	25 06/21	2	14	7.0	1608	8439	5.2	0	0	0.0	15	35	2.3	149	1093	7.3
	26 06/28	3	23	7.7	5078	23268	4.6	0	0	0.0	162	491	3.0	367	2561	7.0
	27 07/05	27	336	12.4	6589	30935	4.7	6	39	6.5	662	2300	3.5	1209	8016	6.6
	28 07/12	24	252	10.5	13949	72737	5.2	135	941	7.0	9917	35955	3.6	4320	28770	6.7
	29 07/19	13	171	13.2	10076	53708	5.3	463	3292	7.1	60424	201652	3.3	2534	16153	6.4
	30 07/26	4	68	17.0	9584	57970	6.0	172	1218	7.1	135474	460738	3.4	1303	8922	6.8
	31 08/02	1	30	30.0	5716	35233	6.2	168	1336	8.0	85936	303736	3.5	532	3939	7.4
	32 08/09	1	16	16.0	1233	7867	6.4	51	399	7.8	6406	22942	3.6	166	1179	7.1
	33 08/16	1	26	26.0	5320	34580	6.5	307	2995	9.8	11414	41679	3.7	175	1132	6.5
	34 08/23	0	0	0.0	2516	15356	6.1	511	3615	7.1	1713	6787	4.0	99	716	7.2
	35 08/30	0	0	0.0	5179	32462	6.3	732	7187	9.8	1200	5052	4.2	85	543	6.4
	36 09/06	0	0	0.0	17972	116642	6.5	2061	19275	9.4	2205	8214	3.7	210	1689	8.0
	37 09/13	0	0	0.0	1364	8952	6.6	277	2830	10.2	91	361	4.0	12	63	5.3
Total		76	936	12.3	86184	498149	5.8	4883	43127	8.8	315619	1089942	3.5	11161	74776	6.7
Inner Karluk (255-10)	26 06/28	0	0	0.0	16	114	7.1	0	0	0.0	150	549	3.7	30	275	9.2
	27 07/05	392	5039	12.9	24674	118877	4.8	3	24	8.0	1008	3189	3.2	2042	13057	6.4
	28 07/12	45	386	8.6	7915	41380	5.2	39	273	7.0	3759	12890	3.4	1619	10827	6.7
	29 07/19	66	1046	15.8	22023	122271	5.6	319	2608	8.2	137846	467739	3.4	4209	28786	6.8
	30 07/26	22	377	17.1	33740	200371	5.9	300	2086	7.0	434477	1497454	3.4	2122	15691	7.4
	31 08/02	25	451	18.0	25193	157516	6.3	506	3703	7.3	439945	1579984	3.6	1704	13021	7.6
	32 08/09	0	0	0.0	3944	24382	6.2	387	2759	7.1	37351	143433	3.8	564	4106	7.3
	35 08/30	0	0	0.0	1631	10900	6.7	160	1600	10.0	270	1053	3.9	12	90	7.5
	36 09/06	11	92	8.4	18474	120884	6.5	4002	40351	10.1	2484	9857	4.0	164	1196	7.3
TOTAL		561	7391	13.2	137610	796695	5.8	5716	53404	9.3	1057290	3716148	3.5	12466	87049	7.0
Outeragoon (256-40)	28 07/12	24	310	12.9	10365	54338	5.2	69	511	7.4	3235	11516	3.6	3391	21259	6.3
	29 07/19	4	47	11.8	2167	12058	5.6	90	728	8.1	5679	18772	3.3	1005	5847	5.8
	30 07/26	0	0	0.0	26	124	4.8	0	0	0.0	2618	8679	3.3	1	6	6.0
	31 08/02	1	6	6.0	1087	6812	6.3	38	254	6.7	22793	80094	3.5	36	217	6.0
Total		29	363	12.5	13645	73332	5.4	197	1493	7.6	34325	119061	3.5	4433	27329	6.2
Ballast Bay (256-25, 30)	25 06/21	0	0	0.0	160	770	4.8	0	0	0.0	0	0	0.0	0	0	0.0
	28 07/12	23	284	12.3	8046	43024	5.3	93	652	7.0	1561	5274	3.4	1086	7993	7.4
	29 07/19	38	681	17.9	39476	226528	5.7	941	6990	7.4	56768	189728	3.3	3666	27430	7.5
	30 07/26	42	614	14.6	38934	232844	6.0	2157	15349	7.1	74867	257599	3.4	3100	22596	7.3
	31 08/02	49	723	14.8	41096	253046	6.2	2509	18831	7.5	161944	581487	3.6	609	4329	7.1
	32 08/09	9	118	13.1	2129	12841	6.0	237	1798	7.6	31201	111766	3.6	221	1571	7.1
	34 08/23	5	91	18.2	9055	56604	6.3	2332	22768	9.8	8880	33926	3.8	42	348	8.3
	35 08/30	2	74	37.0	13033	80028	6.1	4262	40563	9.5	12566	46252	3.7	936	6525	7.0
	36 09/06	0	0	0.0	1990	12153	6.1	1105	10238	9.3	715	2663	3.7	10	60	6.0
Total		168	2585	15.4	153919	917838	6.0	13636	117189	8.6	348502	1228695	3.5	9670	70852	7.3

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Appendix C.1. (page 4 of 8)

Section (Stat. Area)	Stat Week/ Week End	Chinook			Sockeye			Coho			Pink			Chum		
		#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.
Inner & Outer Ayakulik (256-10, 20)	24 06/14	0	0	0.0	16	67	4.2	0	0	0.0	0	0	0.0	0	0	0.0
	25 06/21	1380	23872	17.3	153013	728846	4.8	66	482	7.3	294	840	2.9	5866	43367	7.4
	26 06/28	427	5512	12.9	106027	507840	4.8	1	12	12.0	526	1517	2.9	4611	34071	7.4
	29 07/19	1	6	6.0	23324	127130	5.5	13	73	5.6	5936	20962	3.5	4300	32931	7.7
	30 07/26	40	693	17.3	50716	286170	5.6	584	4140	7.1	73636	252918	3.4	3046	22333	7.3
	31 08/02	11	184	16.7	32969	180848	5.5	425	3080	7.2	145634	524191	3.6	254	1796	7.1
	32 08/09	0	0	0.0	1169	6905	5.9	1	7	7.0	13818	49757	3.6	2	15	7.5
	33 08/16	0	0	0.0	72	451	6.3	18	119	6.6	275	1104	4.0	0	0	0.0
	34 08/23	8	163	20.4	17553	100725	5.7	4047	36317	9.0	35814	132116	3.7	731	4867	6.7
	35 08/30	0	0	0.0	2928	16653	5.7	7652	76336	10.0	1910	6807	3.6	37	225	6.1
	36 09/06	1	31	31.0	300	1816	6.1	267	2610	9.8	431	1533	3.6	0	0	0.0
	37 09/13	0	0	0.0	137	845	6.2	321	3262	10.2	52	209	4.0	2	15	7.5
	38 09/20	0	0	0.0	14	66	4.7	181	2018	11.1	0	0	0.0	1	5	5.0
	Total	1868	30461	16.3	388238	1958362	5.0	13576	128456	9.5	278326	991954	3.6	18850	139625	7.4
Cape Alitak (257-10, 20)	23 06/07	0	0	0.0	480	2097	4.4	0	0	0.0	0	0	0.0	0	0	0.0
	24 06/14	5	71	14.2	8135	37099	4.6	0	0	0.0	0	0	0.0	21	176	8.4
	27 07/05	0	0	0.0	153	953	6.2	0	0	0.0	345	1244	3.6	9	46	5.1
	28 07/12	1	4	4.0	146	740	5.1	1	8	8.0	90	290	3.2	27	207	7.7
	29 07/19	38	794	20.9	26363	151390	5.7	538	4239	7.9	22464	68373	3.0	17709	129449	7.3
	30 07/26	15	342	22.8	42006	255237	6.1	877	7151	8.2	47823	156315	3.3	10015	67076	6.7
	31 08/02	13	282	21.7	97265	604848	6.2	1117	9018	8.1	79340	280193	3.5	1654	12092	7.3
	32 08/09	11	316	28.7	202224	1242595	6.1	1344	11320	8.4	183103	690129	3.8	1669	12858	7.7
	33 08/16	0	0	0.0	1881	11464	6.1	54	471	8.7	2857	10838	3.8	146	933	6.4
	34 08/23	6	127	21.2	44276	266693	6.0	3165	30038	9.5	21811	84975	3.9	586	4624	7.9
	35 08/30	0	0	0.0	17543	101810	5.8	3557	34872	9.8	4494	17512	3.9	498	3650	7.3
	36 09/06	1	32	32.0	12885	74474	5.8	2977	28902	9.7	1969	7474	3.8	448	3105	6.9
	37 09/13	1	18	18.0	642	3659	5.7	210	2076	9.9	31	113	3.6	34	269	7.9
	Total	91	1986	21.8	453999	2753059	6.1	13840	128095	9.3	364327	1317456	3.6	32816	234485	7.1
Moser/Olga Bay & Dog Salmon Flats (257-40, 41)	24 06/14	1	25	25.0	18705	88283	4.7	3	28	9.3	5	41	8.2	31	281	9.1
	27 07/05	0	0	0.0	3580	17551	4.9	3	22	7.3	1	4	4.0	66	494	7.5
	28 07/12	4	86	21.5	7682	40076	5.2	19	139	7.3	133	443	3.3	396	2953	7.5
	29 07/19	5	99	19.8	23616	135652	5.7	162	1289	8.0	1432	4948	3.5	2706	19664	7.3
	30 07/26	2	54	27.0	48913	301663	6.2	384	3297	8.6	9154	32662	3.6	1545	11348	7.3
	31 08/02	2	40	20.0	77152	489411	6.3	751	6385	8.5	21668	81103	3.7	1134	8168	7.2
	32 08/09	4	45	11.3	139047	861897	6.2	1252	11081	8.9	51635	204561	4.0	1089	8487	7.8
	33 08/16	0	0	0.0	3596	22793	6.3	43	405	9.4	1833	7152	3.9	48	348	7.3
	34 08/23	0	0	0.0	61192	376864	6.2	3148	29955	9.5	23460	91157	3.9	1396	10396	7.4
	35 08/30	0	0	0.0	44794	269312	6.0	4718	44967	9.5	9130	36020	3.9	2515	19100	7.6
	36 09/06	3	35	11.7	13353	80296	6.0	1262	12253	9.7	1486	5612	3.8	899	6411	7.1
	37 09/13	0	0	0.0	2725	16308	6.0	283	2716	9.6	24	88	3.7	144	983	6.8
	38 09/20	0	0	0.0	1635	10138	6.2	88	824	9.4	0	0	0.0	17	115	6.8
	39 09/27	0	0	0.0	478	3105	6.5	10	110	11.0	0	0	0.0	14	47	3.4
	Total	21	384	18.3	446468	2713349	6.1	12126	113471	9.4	119961	463791	3.9	12000	88795	7.4
Inner & Outer Akalura & Inner & Outer Upper Station (257-30)	26 06/28	1	30	30.0	38908	177405	4.6	1	10	10.0	0	0	0.0	132	1061	8.0
	27 07/05	1	36	36.0	31740	151661	4.8	10	81	8.1	0	0	0.0	199	1423	7.2
	28 07/12	0	0	0.0	9864	49949	5.1	9	67	7.4	2	9	4.5	196	1479	7.5
	29 07/19	0	0	0.0	3029	16335	5.4	1	7	7.0	3	9	3.0	12	80	6.7
	34 08/23	0	0	0.0	190662	1167941	6.1	1107	11259	10.2	4787	18488	3.9	41	324	7.9
	35 08/30	0	0	0.0	5481	32288	5.9	249	2542	10.2	386	1493	3.9	54	398	7.4
	Total	2	66	33.0	279684	1595579	5.7	1377	13966	10.1	5178	19999	3.9	634	4765	7.5

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Section (Stat. Area)	Stat Week/ Week End	Chinook			Sockeye			Coho			Pink			Chum		
		#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.
Humpy/Deadman (257-50, 60, 70)	24 06/14	0	0	0.0	87	413	4.7	0	0	0.0	0	0	0.0	3	27	9.0
	25 06/21	1	12	12.0	153	700	4.6	0	0	0.0	5	16	3.2	63	460	7.3
	28 07/12	3	81	27.0	12487	67008	5.4	22	175	8.0	1590	4847	3.0	2569	20278	7.9
	29 07/19	5	118	23.6	14968	84940	5.7	94	761	8.1	9725	29389	3.0	3190	24097	7.6
	30 07/26	9	199	22.1	10596	63071	6.0	226	1794	7.9	72798	226187	3.1	3471	25923	7.5
	31 08/02	1	25	25.0	3237	20091	6.2	161	1303	8.1	69590	227778	3.3	4163	33010	7.9
	32 08/09	0	0	0.0	1498	9173	6.1	7	57	8.1	1412	5100	3.6	43	371	8.6
	33 08/16	1	30	30.0	23328	142302	6.1	952	7860	8.3	59625	223573	3.7	12955	102646	7.9
	34 08/23	0	0	0.0	1151	7032	6.1	746	6585	8.8	23503	91955	3.9	2067	17010	8.2
	35 08/30	0	0	0.0	293	1786	6.1	975	8077	8.3	491	1976	4.0	1648	13195	8.0
	36 09/06	0	0	0.0	27	147	5.4	22	203	9.2	0	0	ERR	21	153	7.3
	Total	20	465	23.3	67825	396663	5.8	3205	26815	8.4	238739	810821	3.4	30193	237170	7.9
Seven Rivers (258-70, 80, 83, 85, & 90)	28 07/12	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1890	12414	6.6
	29 07/19	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1065	6740	6.3
	30 07/26	0	0	0.0	199	678	3.4	0	0	0.0	765	2429	3.2	3073	20441	6.7
	31 08/02	0	0	0.0	22	113	5.1	7	50	7.1	14605	48401	3.3	2320	14320	6.2
	32 08/09	0	0	0.0	800	2715	3.4	35	239	6.8	47835	158769	3.3	2125	15769	7.4
	33 08/16	0	0	0.0	634	4086	6.4	138	1155	8.4	53680	185412	3.5	120	793	6.6
	34 08/23	0	0	0.0	0	0	0.0	45	391	8.7	9894	35830	3.6	1115	8755	7.9
	35 08/30	0	0	0.0	0	0	0.0	394	3720	9.4	0	0	0.0	241	1700	7.1
	36 09/06	0	0	0.0	0	0	0.0	537	4843	9.0	152	575	3.8	12	105	8.8
	38 09/20	0	0	0.0	0	0	0.0	390	3524	9.0	0	0	0.0	0	0	0.0
	39 09/27	0	0	0.0	0	0	0.0	302	2872	9.5	0	0	0.0	0	0	0.0
	40 10/04	0	0	0.0	0	0	0.0	324	2673	8.3	0	0	0.0	0	0	0.0
	Total	0	0	0.0	1655	7592	4.6	2172	19467	9.0	126931	431416	3.4	11961	81037	6.8
Two Headed (258-54, 55, 60)	29 07/19	0	0	0.0	21	140	6.7	0	0	0.0	44	125	2.8	33	280	8.5
	32 08/09	0	0	0.0	0	0	0.0	1	10	10.0	491	1779	3.6	2146	17270	8.0
	33 08/16	0	0	0.0	2	12	6.0	30	270	9.0	749	2932	3.9	155	1290	8.3
	Total	0	0	0.0	23	152	6.6	31	280	9.0	1284	4836	3.8	2334	18840	8.1
Sitkalidak (258-10, 20, 30, 40, 51, 52, 53)	28 07/12	10	200	20.0	5861	35411	6.0	65	531	8.2	1548	5277	3.4	2100	17555	8.4
	29 07/19	4	94	23.5	2684	16202	6.0	102	676	6.6	6956	23918	3.4	1811	15430	8.5
	30 07/26	11	397	36.1	3753	22937	6.1	113	778	6.9	15164	52590	3.5	3873	32330	8.3
	31 08/02	9	142	15.8	2033	12665	6.2	264	1960	7.4	16360	63319	3.9	2487	20002	8.0
	32 08/09	8	79	9.9	1278	8155	6.4	982	8096	8.2	40248	148861	3.7	8404	66668	7.9
	33 08/16	1	40	40.0	154	892	5.8	316	2591	8.2	18992	71787	3.8	3322	26667	8.0
	34 08/23	0	0	0.0	49	299	6.1	520	4995	9.6	2492	11071	4.4	1418	11204	7.9
	36 09/06	0	0	0.0	0	0	0.0	928	9134	9.8	187	984	5.3	913	6869	7.5
	37 09/13	0	0	0.0	0	0	0.0	1870	20207	10.8	14	50	3.6	223	1636	7.3
	38 09/20	0	0	0.0	0	0	0.0	456	3879	8.5	0	0	0.0	0	0	0.0
	39 09/27	0	0	0.0	0	0	0.0	307	3133	10.2	0	0	0.0	0	0	0.0
	Total	43	952	22.1	15812	96561	6.1	5923	55980	9.5	101961	377857	3.7	24551	198361	8.1
Inner & Outer Ugak (259-40, 41, 42)	28 07/12	84	1222	14.5	10714	67592	6.3	3	25	8.3	515	1762	3.4	48	474	9.9
	29 07/19	32	439	13.7	4958	31739	6.4	0	0	0.0	301	1023	3.4	133	1265	9.5
	30 07/26	38	215	5.7	2653	16723	6.3	6	36	6.0	2411	8314	3.4	1698	14488	8.5
	31 08/02	2	6	3.0	376	2429	6.5	0	0	0.0	142	511	3.6	1979	17360	8.8
	32 08/09	3	22	7.3	16	87	5.4	26	256	9.8	262	989	3.8	6232	52399	8.4
	33 08/16	2	30	15.0	0	0	0.0	64	255	4.0	810	2850	3.5	8311	65104	7.8
	36 09/06	0	0	0.0	0	0	0.0	389	3880	10.0	0	0	0.0	19	138	7.3

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Section (Stat. Area)	Stat Week/ Week End	Chinook			Sockeye			Coho			Pink			Chum		
		#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.
(Cont.)	37 09/13	0	0	0.0	0	0	0.0	346	3956	11.4	0	0	0.0	1	4	4.0
	38 09/20	0	0	0.0	0	0	0.0	285	3079	10.8	0	0	0.0	0	0	0.0
	40 10/04	0	0	0.0	0	0	0.0	162	1683	10.4	0	0	0.0	0	0	0.0
	Total	161	1934	12.0	18717	118570	6.3	1281	13170	10.3	4441	15449	3.5	18421	151232	8.2
Outer Chiniak (259-21, 25)	30 07/26	0	0	0.0	43	198	4.6	1	12	12.0	499	1724	3.5	166	1667	10.0
	32 08/09	0	0	0.0	88	416	4.7	23	165	7.2	9056	33571	3.7	15	114	7.6
	33 08/16	0	0	0.0	5	19	3.8	8	58	7.3	2636	9820	3.7	1	6	6.0
	34 08/23	0	0	0.0	1	7	7.0	149	1495	10.0	764	2749	3.6	0	0	0.0
	36 09/06	0	0	0.0	77	471	6.1	0	0	0.0	0	0	0.0	0	0	0.0
	Total	0	0	0.0	214	1111	5.2	181	1730	9.6	12955	47864	3.7	182	1787	9.8
Inner Chiniak (259-23, 24)	30 07/26	0	0	0.0	0	0	0.0	0	0	0.0	244	732	3.0	0	0	0.0
	31 08/02	0	0	0.0	4	30	7.5	3	22	7.3	4000	13038	3.3	160	1506	9.4
	32 08/09	0	0	0.0	0	0	0.0	68	282	4.1	6447	23301	3.6	922	8077	8.8
	33 08/16	0	0	0.0	0	0	0.0	3	21	7.0	3598	12842	3.6	184	1494	8.1
	34 08/23	0	0	0.0	0	0	0.0	254	2690	10.6	1443	5110	3.5	1975	15927	8.1
	35 08/30	0	0	0.0	0	0	0.0	150	1629	10.9	230	513	2.2	17	148	8.7
	38 09/20	0	0	0.0	0	0	0.0	40	404	10.1	0	0	0.0	0	0	0.0
	Total	0	0	0.0	4	30	7.5	518	5048	9.7	15962	55536	3.5	3258	27152	8.3
Buskin River (259-22)	29 07/19	0	0	0.0	3	13	4.3	0	0	0.0	5146	17677	3.4	237	2397	10.1
	30 07/26	0	0	0.0	55	226	4.1	1	8	8.0	6490	21829	3.4	624	6025	9.7
	31 08/02	0	0	0.0	2	6	3.0	1	8	8.0	2351	8398	3.6	903	8804	9.7
	32 08/09	3	13	4.3	38	226	5.9	20	165	8.3	28157	97629	3.5	3294	27782	8.4
	33 08/16	0	0	0.0	7	32	4.6	51	484	9.5	5365	19661	3.7	991	8290	8.4
	34 08/23	0	0	0.0	1	5	5.0	28	280	10.0	573	2225	3.9	390	3224	8.3
	35 08/30	0	0	0.0	0	0	0.0	46	500	10.9	130	579	4.5	7	49	7.0
	36 09/06	0	0	0.0	0	0	0.0	192	1824	9.5	477	1852	3.9	17	116	6.8
	37 09/13	0	0	0.0	0	0	0.0	326	3480	10.7	0	0	0.0	0	0	0.0
	38 09/20	0	0	0.0	0	0	0.0	400	4447	11.1	0	0	0.0	0	0	0.0
	Total	3	13	4.3	106	508	4.8	1065	11196	10.5	48689	169850	3.5	6463	56687	8.8
Monashka/Mill Bay (259-10)	28 07/12	0	0	0.0	281	1495	5.3	3	15	5.0	1340	4870	3.6	67	465	6.9
	29 07/19	0	0	0.0	1226	7325	6.0	8	50	6.3	6090	20250	3.3	357	2430	6.8
	30 07/26	0	0	0.0	1	3	3.0	0	0	0.0	1476	4816	3.3	93	822	8.8
	31 08/02	0	0	0.0	11	60	5.5	0	0	0.0	6145	21005	3.4	768	6962	9.1
	32 08/09	0	0	0.0	1	5	5.0	3	17	5.7	3824	13513	3.5	21	167	8.0
	33 08/16	0	0	0.0	1	5	5.0	34	285	8.4	3815	13527	3.5	13	110	8.5
	34 08/23	0	0	0.0	1	5	5.0	29	169	5.8	2004	7433	3.7	1	8	8.0
	Total	0	0	0.0	1522	8898	5.8	77	536	7.0	24694	85414	3.5	1320	10964	8.3
Big River (262-10, 15)	30 07/26	0	0	0.0	8	39	4.9	0	0	0.0	2951	10492	3.6	4864	43738	9.0
	33 08/16	0	0	0.0	3	14	4.7	77	653	8.5	598	2326	3.9	1353	11557	8.5
	34 08/23	0	0	0.0	0	0	0.0	141	1185	8.4	136	748	5.5	1279	10312	8.1
	36 09/06	0	0	0.0	38	232	6.1	2433	22813	9.4	11	50	4.5	31	175	5.6
	37 09/13	0	0	0.0	0	0	0.0	1030	9488	9.2	0	0	0.0	0	0	0.0
	38 09/20	0	0	0.0	0	0	0.0	738	6965	9.4	0	0	0.0	0	0	0.0
	40 10/04	0	0	0.0	0	0	0.0	512	4201	8.2	0	0	0.0	0	0	0.0
	Total	0	0	0.0	49	285	5.8	4931	45305	9.2	3696	13616	3.7	7527	65782	8.7

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Appendix C.1. (page 7 of 8)

Section (Stat. Area)	Stat Week/ Week End	Chinook			Sockeye			Coho			Pink			Chum		
		#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.
Halo Bay (262-20)	30 07/26	0	0	0.0	1	3	3.0	0	0	0.0	2071	7630	3.7	4708	39361	8.4
	31 08/02	5	102	20.4	11	62	5.6	2	20	10.0	7310	27111	3.7	17455	130615	7.5
	32 08/09	1	7	7.0	8	40	5.0	1	12	12.0	9697	33683	3.5	10865	77745	7.2
	Total	6	109	18.2	20	105	5.3	3	32	10.7	19078	68424	3.6	33028	247721	7.5
Outer Kukak (262-25, 30)	25 06/21	0	0	0.0	427	1708	4.0	0	0	0.0	0	0	0.0	0	0	0.0
	28 07/12	0	0	0.0	1556	6086	3.9	0	0	0.0	0	0	0.0	0	0	0.0
	29 07/19	1	26	26.0	1968	10828	5.5	0	0	0.0	22	66	3.0	12	103	8.6
	31 08/02	2	22	11.0	1333	5871	4.4	30	217	7.2	8215	30950	3.8	34380	283957	8.3
	32 08/09	0	0	0.0	325	1943	6.0	26	220	8.5	16044	57814	3.6	31478	262063	8.3
	33 08/16	0	0	0.0	0	0	0.0	0	0	0.0	152	577	3.8	5366	43766	8.2
	34 08/23	0	0	0.0	265	1582	6.0	79	758	9.6	329	1153	3.5	58542	430298	7.4
	35 08/30	0	0	0.0	0	0	0.0	0	0	0.0	596	1975	3.3	12099	83511	6.9
	Total	3	48	16.0	5874	28018	4.8	135	1195	8.9	25358	92535	3.6	141877	1E+06	7.8
Inner Kukak (262-27)	32 08/09	0	0	0.0	0	0	0.0	3	23	7.7	103	350	3.4	1993	16368	8.2
	34 08/23	0	0	0.0	309	2970	9.6	92	836	9.1	592	2298	3.9	44731	350192	7.8
	35 08/30	0	0	0.0	0	0	0.0	119	1042	8.8	449	1560	3.5	6825	55530	8.1
	Total	0	0	0.0	309	2970	9.6	214	1901	8.9	1144	4208	3.7	53549	422090	7.9
Bakavak (262-35, 40, 45, 50, 55)	28 07/12	47	573	12.2	3648	20371	5.6	265	1561	5.9	1600	5407	3.4	3676	27783	7.6
	30 07/26	0	0	0.0	1958	7922	4.0	0	0	0.0	125	397	3.2	0	0	0.0
	31 08/02	0	0	0.0	687	2705	3.9	0	0	0.0	27947	98207	3.5	102	1124	11.0
	32 08/09	0	0	0.0	4	20	5.0	4	32	8.0	14567	52291	3.6	1881	14635	7.8
	34 08/23	0	0	0.0	1199	5184	4.3	472	4710	10.0	47171	188810	4.0	1714	16825	9.8
	35 08/30	0	0	0.0	4	27	6.8	260	2413	9.3	66282	258203	3.9	2807	19359	6.9
	Total	47	573	12.2	7500	36229	4.8	1001	8716	8.7	157692	603315	3.8	10180	79726	7.8
Katmai (262-60)	31 08/02	0	0	0.0	1	6	6.0	0	0	0.0	6115	24404	4.0	689	6049	8.8
	32 08/09	0	0	0.0	0	0	0.0	1	8	8.0	1217	4448	3.7	69	638	9.2
	34 08/23	0	0	0.0	1191	5127	4.3	0	0	0.0	600	3380	5.6	15	118	7.9
	35 08/30	0	0	0.0	0	0	0.0	254	2071	8.2	1258	5232	4.2	280	2076	7.4
	Total	0	0	0.0	1192	5133	4.3	255	2079	8.2	9190	37464	4.1	1053	8881	8.4
Altimuk (262-65, 70)	25 06/21	0	0	0.0	0	0	0.0	0	0	0.0	683	2145	3.1	678	5581	8.2
	28 07/12	18	53	2.9	2093	13311	6.4	40	244	6.1	329	1106	3.4	638	4697	7.4
	30 07/26	0	0	0.0	113	679	6.0	0	0	0.0	3720	11913	3.2	344	2417	7.0
	31 08/02	2	35	17.5	118	669	5.7	1	7	7.0	114305	382839	3.3	9897	72552	7.3
	32 08/09	3	44	14.7	33	173	5.2	34	320	9.4	103498	364886	3.5	11240	87150	7.8
	33 08/16	0	0	0.0	89	621	7.0	198	1873	9.5	52823	197142	3.7	4403	35359	8.0
	34 08/23	0	0	0.0	7	43	6.1	293	2800	9.6	45867	163280	3.6	5489	42310	7.7
	36 09/06	0	0	0.0	0	0	0.0	86	905	10.5	0	0	0.0	13	85	6.5
	38 09/20	0	0	0.0	0	0	0.0	769	5781	7.5	0	0	0.0	204	1588	7.8
	40 10/04	0	0	0.0	0	0	0.0	65	551	8.5	0	0	0.0	0	0	0.0
	Total	23	132	5.7	2453	15496	6.3	1486	12481	8.4	321225	1123311	3.5	32906	251739	7.7
Cape Igvak (262-75, 80, 90, 95)	25 06/21	12	261	21.8	39446	235198	6.0	7	60	8.6	2042	5167	2.5	2686	20241	7.5
	26 06/28	7	169	24.1	96342	570530	5.9	0	0	0.0	10276	25440	2.5	14934	100882	6.8
	28 07/12	68	877	12.9	24163	157021	6.5	543	3177	5.9	5716	18898	3.3	10437	71936	6.9
	29 07/19	88	1557	17.7	54777	349702	6.4	2771	17801	6.4	35388	119270	3.4	33756	233984	6.9
	30 07/26	34	739	21.7	15661	102909	6.6	324	2176	6.7	37758	134193	3.6	16330	119637	7.3

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Appendix C.1. (page 8 of 8)

Section (Stat. Area)	Stat Week/ Week End	Chinook			Sockeye			Coho			Pink			Chum		
		#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.	#	Lbs.	Avg.
(Cont.)	31 08/02	0	0	0.0	0	0	0.0	0	0	0.0	64	242	3.8	3356	29387	8.8
	32 08/09	0	0	0.0	18	105	5.8	0	0	0.0	7550	25812	3.4	6230	44915	7.2
	34 08/23	0	0	0.0	25	120	4.8	317	2676	8.4	10538	41914	4.0	2621	20162	7.7
	Total	209	3603	17.2	230432	1415585	6.1	3962	25890	6.5	109332	370936	3.4	90350	641144	7.1
Wide Bay (262-85)	25 06/21	0	0	0.0	1879	10325	5.5	0	0	0.0	122	283	2.3	77	625	8.1
	26 06/28	3	26	8.7	2753	15680	5.7	0	0	0.0	262	704	2.7	794	3450	4.3
	31 08/02	0	0	0.0	2	12	6.0	0	0	0.0	51417	173765	3.4	6711	50911	7.6
	32 08/09	0	0	0.0	46	248	5.4	0	0	0.0	36035	129945	3.6	14290	110115	7.7
	33 08/16	0	0	0.0	19	95	5.0	3	36	12.0	17158	69729	4.1	2926	26442	9.0
	34 08/23	0	0	0.0	27	136	5.0	630	4563	7.2	54539	192230	3.5	5103	44735	8.8
	37 09/13	0	0	0.0	0	0	0.0	447	4467	10.0	80	318	4.0	98	776	7.9
	Total	3	26	8.7	4726	26496	5.6	1080	9066	8.4	159613	566974	3.6	29999	237054	7.9

Appendix C.2. Kodiak salmon harvest by day and species, Kodiak Management Area, 1986.

Date	Permits	Ldngs	Chinook		Sockeye		Coho		Pink		Chum		Total	
			#	Lbs	#	Lbs	#	Lbs	#	Lbs	#	Lbs	#	Lbs
06/06	1	1	0	0	480	2097	0	0	0	0	0	0	480	2097
06/08	1	1	0	0	130	583	0	0	0	0	0	0	130	583
06/09	30	31	2	46	5737	26191	0	0	0	0	14	124	5753	26361
06/10	64	65	4	50	23117	112373	3	28	485	1198	306	1802	23915	115451
06/11	7	7	0	0	1129	5335	0	0	0	0	1	7	1130	5342
06/12	1	1	0	0	148	744	0	0	0	0	0	0	148	744
06/15	119	131	261	6065	30593	152843	7	60	185	576	635	4755	31681	164299
06/16	231	263	437	7557	74836	373637	73	455	410	1313	3770	27232	79526	410194
06/17	139	142	182	2831	33135	162488	5	43	182	534	780	5979	34284	171875
06/18	99	109	55	932	25882	136291	7	96	569	1416	999	8440	27512	147175
06/19	152	159	141	2424	33923	171832	0	0	530	1475	3287	23513	37881	199244
06/20	103	105	138	2124	15756	77345	0	0	219	537	713	5378	16826	85384
06/21	185	194	253	3383	29050	151122	1	8	1555	4805	4127	32331	34986	191649
06/22	218	234	131	1836	44401	228506	2	14	1595	4929	3175	23948	49304	259233
06/23	234	253	123	1452	67799	341481	3	19	2473	7493	4753	34943	75151	385388
06/24	222	233	89	1312	71288	361625	6	51	3076	8470	5806	40520	80265	411978
06/25	221	241	156	2031	69829	351618	7	50	3136	8628	9714	73558	82842	435885
06/26	239	291	100	1273	75098	408622	5	44	6716	19196	16412	117013	98331	546148
06/27	58	61	16	183	17544	92187	1	10	873	2877	2669	18498	21103	113755
06/28	11	11	0	0	3976	18379	0	0	0	0	90	633	4066	19012
06/29	40	40	8	182	5684	25353	0	0	611	2116	3457	30897	9760	58548
06/30	169	177	108	1664	31779	156302	31	198	7951	29122	12399	100504	52268	287790
07/01	204	222	210	2553	28761	144902	28	226	9761	35334	7567	55859	46327	238874
07/02	190	205	148	2135	29633	148082	94	576	16083	57030	10712	79355	56670	287178
07/03	128	146	116	1371	23310	119534	65	409	13692	50066	11605	85161	48788	256541
07/04	22	24	24	336	5780	28069	2	16	530	1757	369	2388	6705	32566
07/05	15	15	0	0	3478	17686	0	0	0	0	32	201	3510	17887
07/06	50	53	7	111	5593	28662	27	190	9295	32209	2014	13605	16936	74777
07/07	239	267	79	1068	29785	159632	387	2555	54897	201871	22328	175317	107476	540443
07/08	271	323	143	1505	49925	270217	956	6107	75837	274918	25099	191367	151960	744114
07/09	232	260	140	1584	31292	173399	574	3670	51336	188569	15393	115218	98735	482440
07/10	265	337	113	1153	37546	211749	679	4581	68216	250181	18960	142993	125514	610657
07/11	65	67	28	383	11196	66224	229	1444	7496	26171	4484	31187	23433	125409
07/12	96	113	18	361	17702	109199	369	2248	16411	58903	6279	46292	40779	217003
07/13	290	328	94	1538	71238	407784	2196	14931	148159	537553	38179	276375	259866	1238181
07/14	280	336	67	906	59116	342106	1942	13434	196577	715037	33352	255604	291054	1327087
07/15	285	342	62	1043	52193	300078	1806	12738	207522	739660	31758	238406	293341	1291925
07/16	289	354	78	1424	55408	333927	2081	15138	285772	1021571	27655	208297	370994	1580357
07/17	326	419	66	1095	47774	285017	2066	14003	310972	1118833	23677	178885	384555	1597833
07/18	46	46	23	520	6244	40719	287	2077	35681	127590	4923	36575	47158	207481
07/19	157	178	27	491	37788	215310	502	3507	125267	447086	8393	62666	171977	729060

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09

Date	Permits	Ldngs	Chinook		Sockeye		Coho		Pink		Chum		Total	
			#	Lbs	#	Lbs	#	Lbs	#	Lbs	#	Lbs	#	Lbs
07/20	326	419	93	1759	82749	483013	1481	10728	402623	1448827	36366	280974	523312	2225301
07/21	286	351	53	989	50599	305536	1228	9001	345655	1231630	22760	174647	420295	1721803
07/22	263	308	33	576	38313	232409	1575	11179	369337	1305820	16107	122380	425365	1672364
07/23	275	326	32	585	52340	315700	1232	9271	376157	1335226	16921	129802	446682	1790584
07/24	293	352	34	533	44430	267956	1265	9418	436217	1562243	20314	152983	502260	1993133
07/25	295	354	31	501	49097	303570	1070	7984	506660	1804560	17622	129609	574480	2246224
07/26	301	357	28	465	60207	369866	1780	13183	548060	1971647	48369	132807	658444	2487968
07/27	317	398	30	490	51716	315511	1688	12953	571559	2050180	17292	133476	642285	2512610
07/28	317	380	45	738	56064	341087	1836	13992	478231	1704307	13872	107302	550048	2167426
07/29	297	332	26	496	44880	276580	1190	9325	428864	1552700	14671	114781	489631	1953882
07/30	307	372	49	559	54957	333365	1189	9072	447281	1616584	9837	77014	513313	2036594
07/31	302	340	19	312	41430	256864	1262	9461	331708	1196082	38429	307244	412848	1769963
08/01	323	374	16	364	48942	303058	1571	11800	384184	1394821	34416	271957	469129	1982000
08/02	271	296	11	138	41792	255759	1567	10790	294249	1075324	22673	181597	360292	1523608
08/03	259	315	13	193	61564	383103	1867	14595	335466	1236301	23641	190190	422551	1824382
08/04	248	282	17	204	61501	374462	2025	15372	268987	995674	12021	94840	344551	1480552
08/05	274	308	22	401	73919	449121	2535	19508	363489	1329837	27588	225156	467553	2024023
08/06	330	399	41	541	80081	489562	2701	21398	425829	1561092	52014	400918	560666	2473511
08/07	289	346	8	159	61840	378448	1957	15733	231230	866422	23060	178424	318095	1439186
08/08	285	336	19	274	55272	340023	2193	17453	268630	1005493	29909	239341	356023	1602584
08/09	246	286	22	169	42274	262025	2889	23685	193032	719126	15059	112048	253276	1117053
08/10	172	187	3	76	11924	74473	1829	14617	143572	539138	13128	102723	170456	731027
08/11	171	203	15	264	22251	140132	2598	20131	182027	678193	10952	85445	217843	924165
08/12	144	165	11	189	26466	168968	2095	17099	126317	485805	8726	66084	163615	738145
08/13	136	149	3	52	26612	169479	3133	24556	119292	449046	8393	64945	157433	708078
08/14	199	217	5	60	36805	231784	3740	30467	215513	821661	13704	110162	269767	1194134
08/15	177	192	5	68	27289	168751	2158	17259	138644	537339	16105	119762	184201	843179
08/16	165	196	6	112	14845	92018	3174	26507	131735	507774	5605	42168	155365	668579
08/17	34	43	1	9	12064	75016	630	5289	23969	92987	687	5437	37351	178738
08/18	102	171	2	35	73868	448878	1362	12177	74648	301994	5440	36318	155320	799402
08/19	173	215	3	78	87203	528779	4527	40942	124810	468151	12451	100385	228994	1138335
08/20	182	245	8	141	62823	386079	4105	39044	113580	449882	9225	72939	189741	948085
08/21	139	172	1	6	41072	246132	3364	31102	89509	352132	3677	28582	137623	657954
08/22	118	150	6	129	27034	164249	3329	31709	99141	381519	51275	400539	180785	978145
08/23	141	166	0	0	38030	235822	3476	31097	103151	412014	57942	428909	202599	1107842
08/24	133	157	3	83	25476	154988	3129	28175	103036	402873	23694	176307	155338	762426
08/25	131	154	0	0	33472	200173	7403	69771	95710	364024	2237	16130	138822	650098
08/26	53	57	0	0	11038	66837	1241	11590	35273	138533	544	3756	48096	220716
08/27	73	86	0	0	11771	69848	4761	44961	45370	178634	885	6684	62787	300127
08/28	92	99	0	0	15666	92846	5709	56223	33147	133464	1258	9358	52780	291891
08/29	121	140	0	0	33199	207823	5733	54215	55292	215003	2275	16757	96499	493798

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Date	Permits	Ldngs	Chinook		Sockeye		Coho		Pink		Chum		Total	
			#	Lbs	#	Lbs	#	Lbs	#	Lbs	#	Lbs	#	Lbs
08/30	124	148	0	0	26132	160397	5715	53175	34211	132381	1723	12912	67781	358865
08/31	110	126	2	21	25367	161592	6872	65063	22052	86522	1115	8035	55408	321233
09/01	121	131	0	0	20059	127493	5857	54696	2971	11713	794	5559	29681	199461
09/02	103	115	2	19	12181	75482	4386	41629	7013	27175	409	2797	23991	147102
09/03	119	125	1	31	14019	88822	8458	80233	10519	40916	407	2804	33404	212806
09/04	99	106	14	142	14031	87172	4065	41007	3427	13075	850	6056	22387	147452
09/05	67	72	0	0	6605	40995	1906	18159	2744	10928	285	1975	11540	72057
09/06	43	45	0	0	3980	24136	1445	13967	650	2378	761	5882	6836	46363
09/07	24	24	0	0	902	5410	1879	20358	54	214	208	1454	3043	27436
09/08	3	3	1	18	240	1444	74	770	0	0	14	98	329	2330
09/09	17	17	0	0	1455	9589	728	7204	177	674	183	1431	2543	18898
09/10	21	25	0	0	1791	10907	897	8547	112	450	174	1154	2974	21058
09/11	13	13	0	0	418	2510	291	3109	33	140	166	1572	908	7331
09/12	8	8	0	0	206	1183	385	4306	6	18	12	109	609	5616
09/13	9	11	0	0	583	3530	1250	11835	0	0	14	105	1847	15470
09/14	6	6	0	0	374	2299	288	2746	0	0	8	60	670	5105
09/15	4	4	0	0	2	14	79	677	0	0	220	1704	301	2395
09/16	6	6	0	0	265	1510	487	5268	0	0	9	55	761	6833
09/17	4	4	0	0	283	1703	420	4112	0	0	1	5	704	5820
09/18	7	7	0	0	285	1713	1404	12061	0	0	0	0	1689	13774
09/19	6	6	0	0	0	0	1412	11979	0	0	0	0	1412	11979
09/20	4	4	0	0	442	2979	556	5771	0	0	0	0	998	8750
09/21	2	2	0	0	269	1747	2	20	0	0	0	0	271	1767
09/22	2	2	0	0	0	0	266	2668	0	0	0	0	266	2668
09/24	2	2	0	0	209	1358	8	90	0	0	14	47	231	1495
09/25	1	1	0	0	0	0	157	1513	0	0	0	0	157	1513
09/27	1	1	0	0	0	0	302	2872	0	0	0	0	302	2872
09/28	1	1	0	0	0	0	65	551	0	0	0	0	65	551
10/01	1	1	0	0	0	0	333	2282	0	0	0	0	333	2282
10/02	2	2	0	0	0	0	486	4356	0	0	0	0	486	4356
10/03	1	1	0	0	0	0	179	1919	0	0	0	0	179	1919
<hr/>														
TOTAL	477	18199	4381	66901	3188049	18533328	168690	1464701	11809223	43179670	1134397	8450520	16304740	71695120
AVG. WT.				15.27		5.81		8.68		3.66		7.45		

Appendix C.3. Commercial salmon harvest by statistical area, Kodiak Management Area, 1986.

Stat Area	# Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
25110	227	91	19926	3449	390357	18024	431847
25120	129	28	17160	1440	348839	12404	379871
25130	20	1	4614	713	17657	972	23957
25150	3	0	0	76	8512	0	8588
25160	2	0	2	739	464	0	1205
25170	11	0	0	3298	3493	24	6815
25181	1	0	48	72	390	0	510
25182	17	0	3281	2200	62594	640	68715
25190	1	0	652	0	542	1	1195
251 Area Total	411	120	45683	11987	832848	32065	922703
25210	3	2	261	17	2457	64	2801
25220	4	0	316	11	1131	195	1653
25230	55	0	1217	1613	174830	125	177785
25231	42	3	1502	1509	89544	1368	93926
25232	25	0	429	355	53379	177	54340
25233	14	0	1171	232	13724	279	15406
25234	36	9	2585	462	8055	566	11677
25235	14	6	1157	226	27175	821	29385
252 Area Total	193	20	8638	4425	370295	3595	386973
25311	877	85	88249	4927	936625	93366	1123252
25312	909	59	27398	3111	1379003	100963	1510534
25313	498	26	35293	996	299958	22341	358614
25314	489	48	26615	2040	332943	18212	379858
25331	1052	225	84589	6721	918570	53691	1063796
25332	1	0	3	0	3384	14	3401
25333	75	7	1103	308	91524	3155	96097
25335	464	18	29051	1593	282765	11316	324743
253 Area Total	4365	468	292301	19696	4244772	303058	4860295
25410	1535	231	332607	18082	781090	72910	1204920
25420	931	69	86975	7761	507702	21676	624183
25430	406	59	21967	5504	349236	39531	416297
25440	667	41	52989	4611	550174	38566	646381
254 Area Total	3539	400	494538	35958	2188202	172683	2891781
25510	750	561	137610	5716	1057290	12466	1213643
25520	384	76	86184	4883	315619	11161	417923
255 Area Total	1134	637	223794	10599	1372909	23627	1631566
25610	28	23	4511	1	194	4305	9034
25620	1518	1845	383727	13575	278132	14545	691824
25625	145	40	35992	7156	52063	2099	97350
25630	424	128	117927	6480	296439	7571	428545
25640	68	29	13645	197	34325	4433	52629
256 Area Total	2183	2065	555802	27409	661153	32953	1279382
25710	26	5	6453	225	6079	13402	26164
25720	1187	86	447546	13615	358248	19414	838909
25730	717	2	279684	1377	5178	634	286875
25740	521	8	107230	4115	39288	5555	156196
25741	1229	13	339238	8011	80673	6445	434380
25750	278	9	47381	2652	81006	11473	142521
25760	148	10	14567	407	91645	14818	121447
25770	55	1	5877	146	66088	3902	76014
257 Area Total	4160	134	1247976	30548	728205	75643	2082506

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Stat Area	# Landings	Chinook	Sockeye	Coho	Pink	Chum	Total
25810	11	2	1089	68	6219	1462	8840
25820	127	37	12639	2129	72395	15202	102402
25830	11	0	82	1761	4826	1785	8454
25840	4	0	0	1048	0	0	1048
25851	14	0	87	73	13582	3662	17404
25852	22	4	1918	844	4939	2440	10145
25854	3	0	2	31	1240	2301	3574
25860	1	0	21	0	44	33	98
25870	37	0	1379	554	91941	3401	97275
25880	7	0	0	1204	152	2924	4280
25885	1	0	0	390	0	0	390
25890	23	0	276	24	34838	5636	40774
258 Area Total	261	43	17493	8126	230176	38846	294684
25910	21	0	1522	77	24694	1320	27613
25921	13	0	214	181	12955	182	13532
25922	56	3	106	1065	48689	6463	56326
25923	6	0	1	71	629	2073	2774
25924	29	0	3	447	15333	1185	16968
25936	93	14	4101	1310	47341	4600	57366
25937	69	2	2037	520	28319	2021	32899
25938	142	3	6631	567	63351	5145	75697
25939	190	20	15937	1356	128583	10054	155950
25941	66	130	16203	1189	1036	3217	21775
25942	28	31	2514	92	3405	15204	21246
259 Area Total	713	203	49269	6875	374335	51464	482146
26210	4	0	0	1488	0	0	1488
26215	23	0	49	3443	3696	7527	14715
26220	40	6	20	3	19078	33028	52135
26225	145	2	781	135	23290	141604	165812
26227	27	0	309	214	1144	53549	55216
26230	4	1	5093	0	2068	273	7435
26235	7	12	4650	18	1358	133	6171
26240	4	12	712	7	15468	2898	19097
26245	19	23	2130	949	72177	4715	79994
26250	8	0	2	5	46574	292	46873
26255	6	0	6	22	22115	2142	24285
26260	8	0	1192	255	9190	1053	11690
26265	73	23	2450	717	293186	28374	324750
26270	8	0	3	769	28039	4532	33343
26275	131	16	41648	377	9366	13668	65075
26280	301	117	80431	1229	75281	42472	199530
26285	53	3	4726	1080	159613	29999	195421
26290	3	4	741	0	150	391	1286
26295	376	72	107612	2356	24535	33819	168394
262 Area Total	1240	291	252555	13067	806328	400469	1472710

Appendix C.4. Commercial salmon harvest, by week, Kodiak Management Area, 1986.

Date	Chinook	Sockeye	Coho	Pink	Chum	Total
06/07 23	0	480	0	0	0	480
06/14 24	6	30261	3	485	321	31076
06/21 25	1467	243175	93	3650	14311	262696
06/28 26	615	349935	24	17869	42619	411062
07/05 27	614	128425	220	48628	46141	224028
07/12 28	528	183039	3221	283488	94557	564833
07/19 29	417	329761	10880	1309950	167937	1818945
07/26 30	304	377735	9631	2984709	178459	3550838
08/02 31	196	339781	10303	2936076	151190	3437546
08/09 32	142	436451	16167	2086663	183292	2722715
08/16 33	48	166192	18727	1057100	76613	1318680
08/23 34	21	342094	20793	628808	140697	1132413
08/30 35	3	156754	33691	402039	32616	625103
09/06 36	19	96242	32989	49376	4621	183247
09/13 37	1	5595	5504	382	771	12253
09/20 38	0	1651	4646	0	238	6535
09/27 39	0	478	735	0	14	1227
10/04 40	0	0	1063	0	0	1063
Grand Total	4381	3188049	168690	11809223	1134397	16304740

Appendix C.5. Commercial salmon harvest by statistical week, by species, and by gear type, Kodiak Management Area, 1986.

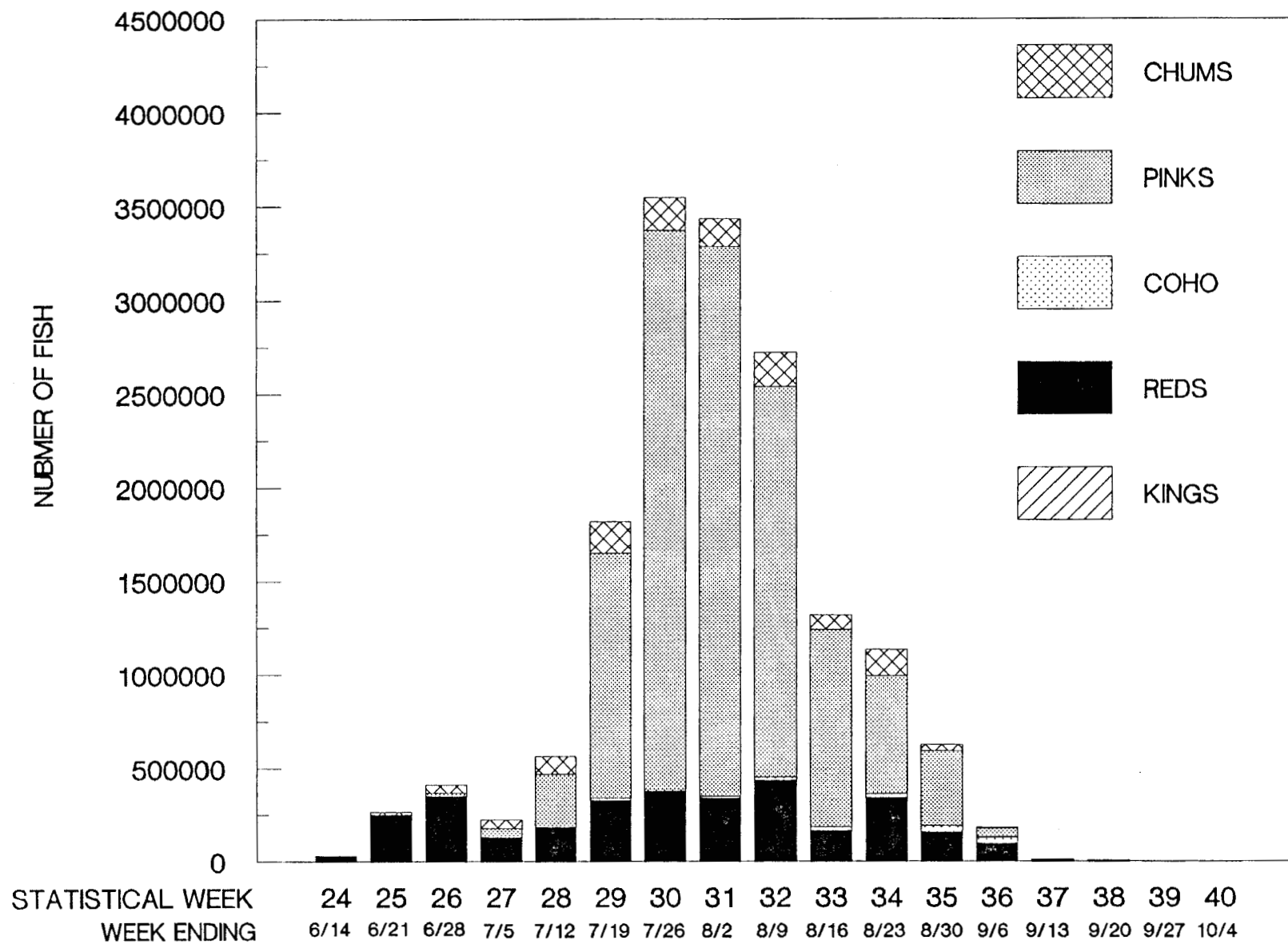
Gear	Stat Week	Chinook	Sockeye	Coho	Pink	Chum
Purse Seine	06/07 23	0	480	0	0	0
	06/14 24	5	11556	0	480	290
	06/21 25	1417	215386	93	3069	11225
	06/28 26	541	268234	7	14596	33662
	07/05 27	579	60006	110	30625	35402
	07/12 28	482	126275	2443	203033	77209
	07/19 29	379	247137	7969	1013527	138178
	07/26 30	270	265438	6732	2447501	151720
	08/02 31	175	228755	7490	2450502	129952
	08/09 32	117	244963	10800	1639646	158533
	08/16 33	36	95793	13482	802837	64155
	08/23 34	21	82874	15742	572604	138637
	08/30 35	3	85135	27384	360596	28985
	09/06 36	16	75685	30842	41653	3432
	09/13 37	1	2564	5163	358	600
	09/20 38	0	14	4479	0	205
	09/27 39	0	0	725	0	0
	10/04 40	0	0	1063	0	0
	Total	4042	2010295	134524	9581027	972185
Beach Seine	06/21 25	1	34	0	6	0
	06/28 26	6	11	0	28	407
	07/05 27	4	281	0	117	274
	07/12 28	3	239	0	513	106
	07/19 29	2	208	7	10505	1032
	07/26 30	1	387	5	41100	360
	08/02 31	4	330	11	56098	1268
	08/09 32	0	289	178	22473	862
	08/16 33	0	90	541	17893	1038
	08/23 34	0	92	508	18249	301
	08/30 35	0	25	183	4808	53
	09/06 36	0	3	266	1196	12
	09/20 38	0	0	45	0	9
	Total	21	1989	1744	172986	5722
Set Gillnet	06/14 24	1	18705	3	5	31
	06/21 25	49	27755	0	575	3086
	06/28 26	68	81690	17	3245	8550
	07/05 27	31	68138	110	17886	10465
	07/12 28	43	56525	778	79942	17242
	07/19 29	36	82416	2904	285918	28727
	07/26 30	33	111910	2894	496108	26379
	08/02 31	17	110696	2802	429476	19970
	08/09 32	25	191199	5189	424544	23897
	08/16 33	12	70309	4704	236370	11420
	08/23 34	0	259128	4543	37955	1759
	08/30 35	0	71594	6124	36635	3578
	09/06 36	3	20554	1881	6527	1177
	09/13 37	0	3031	341	24	171
	09/20 38	0	1637	122	0	24
	09/27 39	0	478	10	0	14
	Total	318	1175765	32422	2055210	156490

Appendix C.6. Commercial salmon harvest and value by gear,
Kodiak Management Area, 1986.

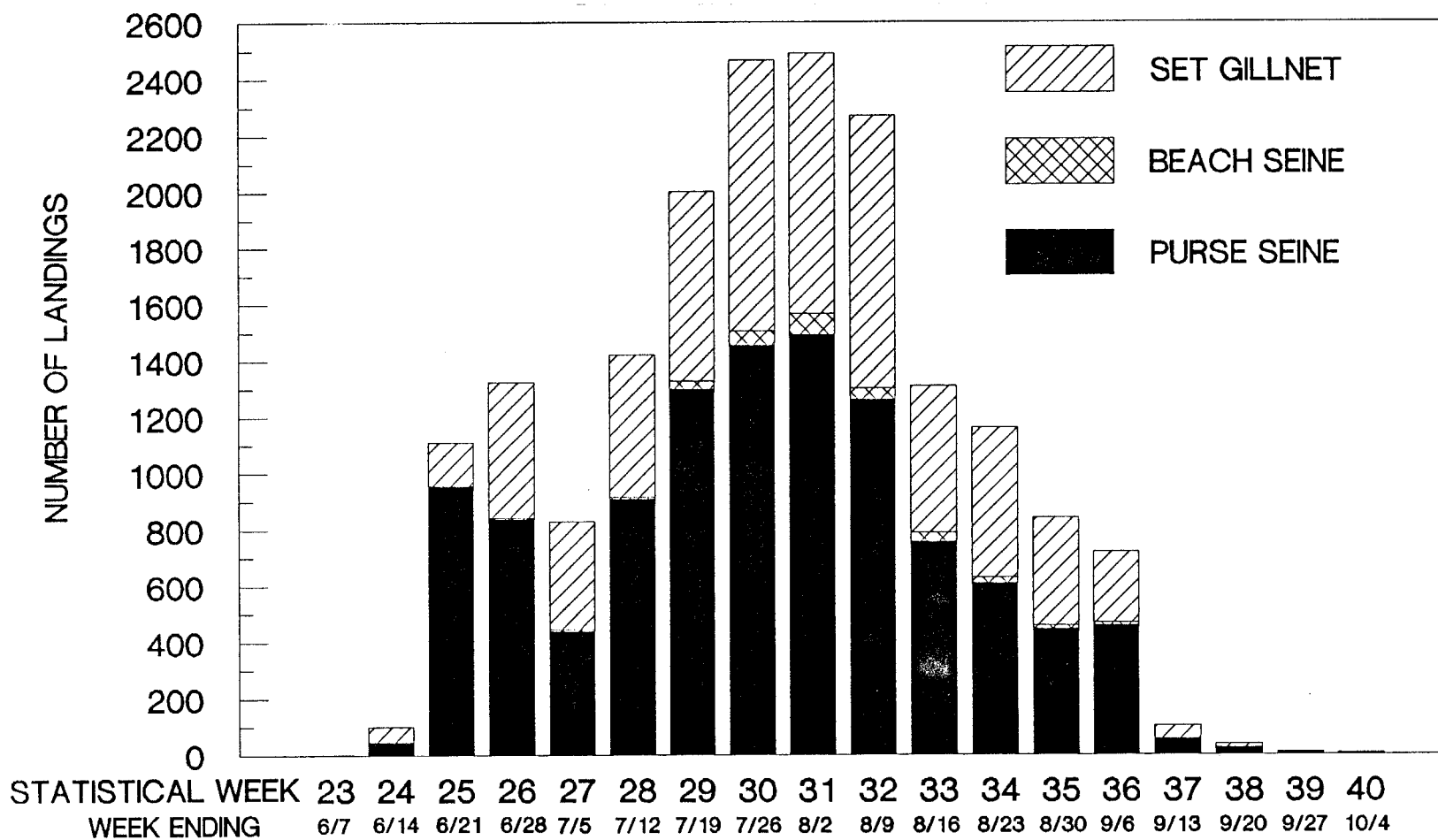
(Values Expressed in Millions)							
	King	Reds	Cohos	Pinks	Chums	Total	%
<u>Purse Seine</u>							
Total No.s	.004	2.01	.135	9.580	.972	12.701	.78
Avg. Wt.	15.1	5.8	8.8	3.6	7.5	-	-
Total Lbs.	.061	11.559	1.178	34.678	7.256	54.732	.76
Avg. \$/Lb.	\$1.50	\$1.50	\$1.00	\$0.23	\$0.35	-	-
Ex-Vessel \$	\$.091	\$17.339	\$1.178	\$7.976	\$2.540	\$29.124	.69
<u>For 288 Permits</u>							
- Avg. \$ Value	\$< .001	\$.060	\$.004	\$.028	\$.009	\$.101	-
- %	< .01	.59	.04	.28	.09	1.00	
<u>Beach Seine</u>							
Total No.s	< .001	.002	.002	.173	.006	.182	.01
Avg. Wt.	23.6	5.8	8.8	3.5	8.1	-	-
Total Lbs.	< .001	.011	.015	.612	.046	.685	.01
Avg. \$/Lb.	\$1.50	\$1.50	\$1.00	\$0.23	\$0.35	-	-
Ex-Vessel \$	\$.002	\$.017	\$.015	\$.141	\$.016	\$.191	.004
<u>For 15 Permits</u>							
- Avg. \$ Value	\$< .001	\$.001	\$.001	\$.009	\$.001	\$.012	-
- %	< .01	.08	< .08	.76	.08	1.00	
<u>Set Gillnet</u>							
Total No.s	< .001	1.176	.032	2.055	.156	3.420	.21
Avg. Wt.	16.6	5.9	8.4	3.8	7.3	-	-
Total Lbs.	.005	6.957	.272	7.890	1.148	16.272	.23
Avg. \$/Lb.	\$1.50	\$1.50	\$1.00	\$0.23	\$0.35	-	-
Ex-Vessel \$	\$.008	\$10.436	\$.272	\$1.815	\$.402	\$12.933	.31
<u>For 175 Permits</u>							
- Avg. \$ Value	\$< .001	\$.060	\$.002	\$.010	\$.002	\$.074	-
- %	< .01	.81	.03	.13	.03	1.00	
<u>Total All Gear</u>							
Total No.s	.004	3.188	.169	11.808	1.134	16.303	1.00
Avg. Wt.	15.3	5.8	8.7	3.7	7.4	-	-
Total Lbs.	.067	18.5288	1.465	43.180	8.450	71.691	1.00
Avg. \$/Lb.	\$1.50	\$1.50	\$1.00	\$0.23	\$0.35	-	-
Ex-Vessel \$	\$.101	\$27.792	\$1.465	\$9.931	\$2.958	\$42.248	1.00
	-	-	-	-	-	-	-

1/Numbers and pounds of fish are derived from fish ticket summaries. There were 18,198 fish tickets generated in 1986; each fish ticket represents a "landing". Each gear type had the following number of landings: Purse seine: 11,049, Beach seine: 286 and Set gillnet: 6,863. Average \$/lb. figures are derived from in-season average prices and do not reflect post-season settlements. There was no cost recovery fishery at the Kitoi Bay hatchery during the 1986 season.

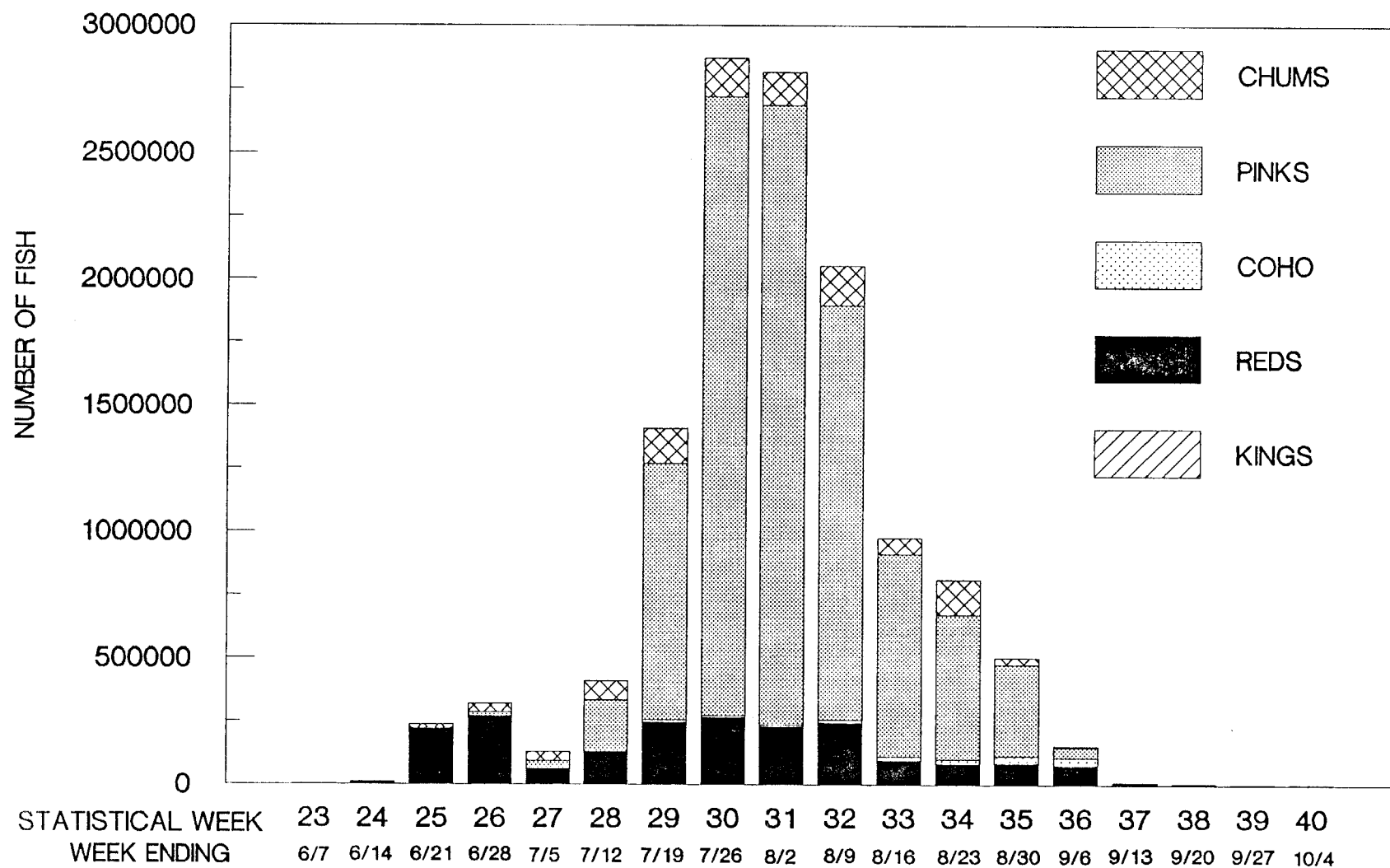
Appendix C.7. Commercial salmon harvest by species and statistical week, Kodiak Management Area, 1986.



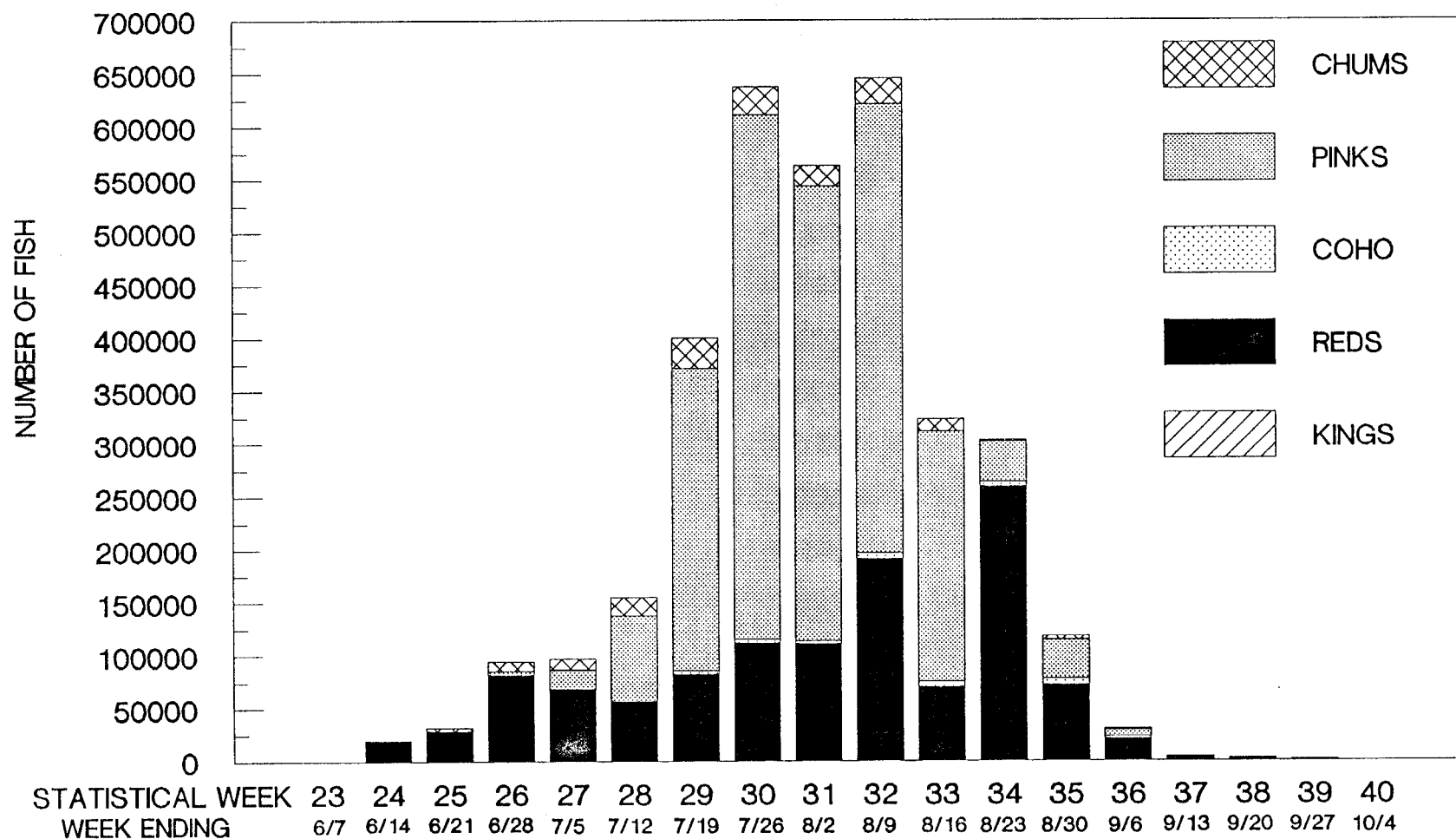
Appendix C.8. Commercial salmon landings by gear and statistical week, Kodiak Management Area, 1986.



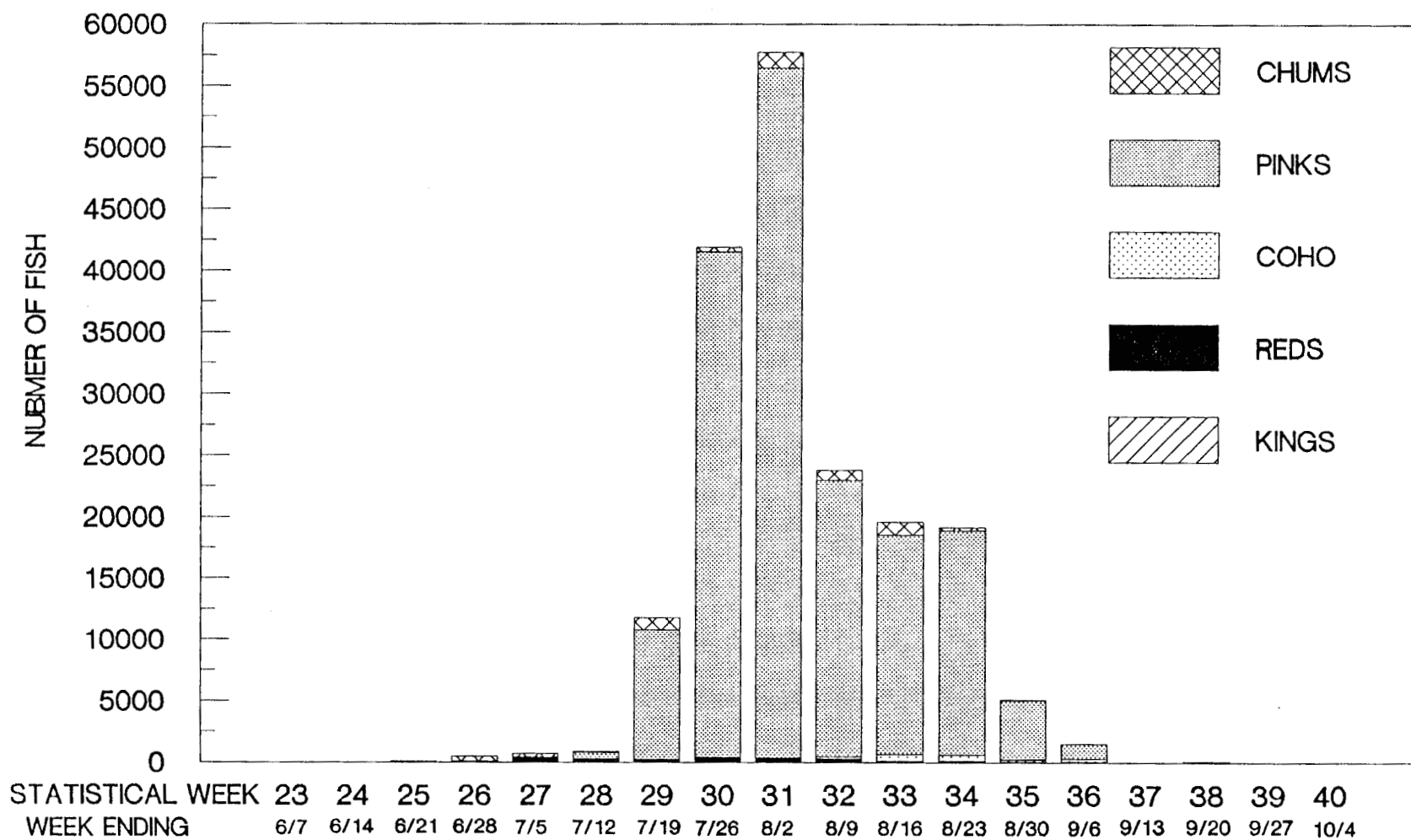
Appendix C.9. Commercial purse seine salmon harvest by species and statistical week, Kodiak, Management Area, 1986.



Appendix C.10. Commercial set gillnet salmon harvest by species and statistical week, Kodiak Management Area, 1986.



Appendix C.11. Commercial beach seine salmon harvest by species and statistical week, Kodiak Management Area, 1986.



Appendix D.1. Commercial salmon harvest by management unit, statistical week, and all gear combined, Kodiak Management Area, 1987.

Section (Stat. Area)	Stat Week/ Week End	Chinook			Sockeye			Coho			Pinks			Chums		
		#	Lbs	Avg.	#	Lbs	Avg.	#	Lbs	Avg.	#	Lbs	Avg.	#	Lbs	Avg.
S.W. Afognak & Raspberry (251-10, 20)	25 06/20	0	0	0.0	105	573	5.5	0	0	0.0	0	0	0.0	7	59	8.4
	28 07/11	0	0	0.0	75	390	5.2	0	0	0.0	184	609	3.3	25	204	8.2
	29 07/18	1	43	43.0	1347	7870	5.8	5	28	5.6	2665	9023	3.4	260	1959	7.5
	30 07/25	11	241	21.9	44447	331502	7.5	422	2823	6.7	23123	80747	3.5	3688	27518	7.5
	31 08/01	52	494	9.5	26019	184015	7.1	1329	9748	7.3	30354	108426	3.6	1676	13179	7.9
	32 08/08	9	196	21.8	2544	17823	7.0	831	6348	7.6	10659	37865	3.6	1570	12301	7.8
	33 08/15	0	0	0.0	166	700	4.2	71	572	8.1	1732	6466	3.7	112	836	7.5
	34 08/22	1	8	8.0	543	2967	5.5	176	1413	8.0	3319	12360	3.7	169	1181	7.0
	Total	74	982	13.3	75246	545840	7.3	2834	20932	7.4	72036	255496	3.5	7507	57237	7.6
N.W. Afognak (251-30, 40, 50)	25 06/20	1	5	5.0	720	3645	5.1	0	0	0.0	0	0	0.0	4	32	8.0
	26 06/27	0	0	0.0	66	326	4.9	0	0	0.0	0	0	0.0	0	0	0.0
	28 07/11	0	0	0.0	582	2449	4.2	0	0	0.0	267	902	3.4	54	382	7.1
	29 07/18	0	0	0.0	580	2582	4.5	0	0	0.0	0	0	0.0	0	0	0.0
	30 07/25	1	24	24.0	4137	29856	7.2	280	2143	7.7	4884	17622	3.6	758	4965	6.6
	31 08/01	3	44	14.7	1595	11632	7.3	95	728	7.7	1497	5843	3.9	181	1314	7.3
	33 08/15	0	0	0.0	29	128	4.4	125	1014	8.1	4591	17464	3.8	231	1658	7.2
	34 08/22	0	0	0.0	1618	9035	5.6	852	7156	8.4	390	1118	2.9	244	1934	7.9
	35 08/29	0	0	0.0	11	40	3.6	1465	12605	8.6	41	93	2.3	1	8	8.0
	36 09/05	0	0	0.0	0	0	0.0	36	338	9.4	0	0	0.0	0	0	0.0
	Total	5	73	14.6	9338	59693	6.4	2853	23984	8.4	11670	43042	3.7	1473	10293	7.0
Shuyak (251 60, 70, 81)	29 07/18	0	0	0.0	45	302	6.7	0	0	0.0	71	243	3.4	29	225	7.8
	33 08/15	4	93	23.3	106	475	4.5	2021	14275	7.1	949	3665	3.9	155	1142	7.4
	34 08/22	0	0	0.0	1	4	4.0	5237	42020	8.0	294	1056	3.6	10	52	5.2
	Total	4	93	23.3	152	781	5.1	7258	56295	7.8	1314	4964	3.8	194	1419	7.3
Perenosa (251-82,83)	31 08/01	0	0	0.0	3	12	4.0	0	0	0.0	4170	14708	3.5	0	0	0.0
	33 08/15	0	0	0.0	288	2041	7.1	1425	10413	7.3	8045	28620	3.6	22	168	7.6
	34 08/22	0	0	0.0	0	0	0.0	2	15	7.5	600	2091	3.5	0	0	0.0
	35 08/29	0	0	0.0	0	0	0.0	1814	15048	8.3	3611	10998	3.0	9	72	8.0
	36 09/05	0	0	0.0	2	11	5.5	570	5256	9.2	131	426	3.3	0	0	0.0
	Total	0	0	0.0	293	2064	7.0	3811	30732	8.1	16557	56843	3.4	31	240	7.7
N.E. Afognak (251-83)	28 07/11	10	43	4.3	119	716	6.0	0	0	0.0	770	3090	4.0	189	1325	7.0
	32 08/08	0	0	0.0	8	55	6.9	14	95	6.8	8543	30836	3.6	12	73	6.1
	33 08/15	0	0	0.0	80	476	6.0	125	1031	8.2	4765	18060	3.8	131	1049	8.0
	35 08/29	0	0	0.0	0	0	0.0	35	240	6.9	0	0	0.0	0	0	0.0
	Total	10	43	4.3	207	1247	6.0	174	1366	7.9	14078	51986	3.7	332	2447	7.4
Izhut (252 30)	29 07/18	0	0	0.0	362	2424	6.7	127	678	5.3	473	1497	3.2	64	387	6.0
	30 07/25	0	0	0.0	236	1507	6.4	200	1123	5.6	2042	6286	3.1	95	491	5.2
	31 08/01	2	68	34.0	231	1373	5.9	66	412	6.2	36146	124970	3.5	140	992	7.1
	32 08/08	2	59	29.5	845	5125	6.1	956	6752	7.1	189988	693508	3.7	585	4188	7.2
	33 08/15	14	200	14.3	1489	8198	5.5	2093	15769	7.5	304292	1094617	3.6	1427	12645	8.9
	34 08/22	0	0	0.0	57	308	5.4	354	2664	7.5	58406	206123	3.5	47	310	6.6
	35 08/29	0	0	0.0	0	0	0.0	58	455	7.8	0	0	0.0	0	0	0.0
	Total	18	327	18.2	3220	18935	5.9	3854	27853	7.2	591347	2127001	3.6	2358	19013	8.1

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Appendix D.1. (page 2 of 7)

Section (Stat. Area)	Stat Week/ Week End	Chinook			Sockeye			Coho			Pinks			Chums		
		#	Lbs	Avg.	#	Lbs	Avg.	#	Lbs	Avg.	#	Lbs	Avg.	#	Lbs	Avg.
Kitoi Bay (252-32)	30 07/25	0	0	0.0	54	273	5.1	0	0	0.0	7315	24681	3.4	166	850	5.1
	31 08/01	0	0	0.0	98	553	5.6	1	5	5.0	83611	208249	2.5	235	1302	5.5
	32 08/08	0	0	0.0	20	90	4.5	0	0	0.0	55722	160827	2.9	135	728	5.4
	34 08/22	0	0	0.0	1	2	2.0	4	29	7.3	6624	16854	2.5	1	5	5.0
	Total	0	0	0.0	173	918	5.3	5	34	6.8	153272	410611	2.7	537	2885	5.4
Duck Bay (252-31)	29 07/18	0	0	0.0	4182	26486	6.3	964	5778	6.0	2603	9073	3.5	547	3139	5.7
	30 07/25	3	74	24.7	2258	15018	6.7	374	2331	6.2	6662	23225	3.5	852	5485	6.4
	31 08/01	7	154	22.0	1991	12698	6.4	1149	7699	6.7	90829	319227	3.5	376	2628	7.0
	32 08/08	4	56	14.0	901	5440	6.0	664	4524	6.8	111298	402496	3.6	364	2562	7.0
	33 08/15	2	24	12.0	208	1194	5.7	581	4366	7.5	71457	259939	3.6	599	4526	7.6
	34 08/22	0	0	0.0	66	379	5.7	568	4753	8.4	23413	82570	3.5	116	951	8.2
	36 09/05	0	0	0.0	0	0	0.0	1730	13907	8.0	30	105	3.5	0	0	0.0
	Total	16	308	19.3	9606	61215	6.4	6030	43358	7.2	306292	1096635	3.6	2854	19291	6.8
S.E. Afognak (252-33, 34)	25 06/20	20	252	12.6	1309	5798	4.4	0	0	0.0	0	0	0.0	1	8	8.0
	28 07/11	0	0	0.0	12	50	4.2	0	0	0.0	27	100	3.7	8	40	5.0
	30 07/25	0	0	0.0	329	2084	6.3	40	270	6.8	601	1785	3.0	27	210	7.8
	31 08/01	0	0	0.0	398	2517	6.3	211	1420	6.7	9084	32131	3.5	40	254	6.4
	32 08/08	2	63	31.5	103	605	5.9	81	634	7.8	8770	30654	3.5	140	1133	8.1
	33 08/15	0	0	0.0	19	109	5.7	65	605	9.3	8925	33554	3.8	111	998	9.0
	34 08/22	0	0	0.0	60	375	6.3	139	1135	8.2	296	1070	3.6	12	86	7.2
	36 09/05	0	0	0.0	2	9	4.5	576	5349	9.3	1375	5161	3.8	0	0	0.0
	Total	22	315	14.3	2232	11547	5.2	1112	9413	8.5	29078	104455	3.6	339	2729	8.1
Central, Terror Bay, Inner Uganik, Spiridon, Zachar, & Uyak Combined (253 11, 12, 13, 14, 31, 32, 33, 35, 25410, 20 30, 40)	24 06/13	3	26	8.7	215	1297	6.0	0	0	0.0	17	60	3.5	11	95	8.6
	25 06/20	139	1085	7.8	20159	111641	5.5	4	31	7.8	1723	5569	3.2	1388	9800	7.1
	26 06/27	96	1069	11.1	18781	107066	5.7	5	22	4.4	8745	27464	3.1	5223	36867	7.1
	27 07/04	149	1000	6.7	38801	213374	5.5	16	108	6.8	27355	91575	3.3	18017	123891	6.9
	28 07/11	143	903	6.3	18610	105001	5.6	195	989	5.1	77658	250920	3.2	39201	305676	7.8
	29 07/18	30	411	13.7	40545	257387	6.3	524	3500	6.7	115190	388612	3.4	28696	219450	7.6
	30 07/25	63	1902	30.2	141508	1027977	7.3	2008	13995	7.0	155702	542660	3.5	28600	219235	7.7
	31 08/01	65	1607	24.7	57809	388147	6.7	5273	37304	7.1	121667	442695	3.6	16643	128136	7.7
	32 08/08	17	411	24.2	12109	74572	6.2	2426	15421	6.4	52549	201750	3.8	12600	100143	7.9
	33 08/15	24	508	21.2	53946	321924	6.0	9481	74713	7.9	321576	1246735	3.9	33440	259254	7.8
	34 08/22	5	109	21.8	18373	110477	6.0	5867	49122	8.4	243071	952660	3.9	14237	117791	8.3
	35 08/29	0	0	0.0	173	1199	6.9	469	3730	8.0	25516	108235	4.2	4854	37995	7.8
	36 09/05	1	20	20.0	9387	53737	5.7	7993	71894	9.0	9126	34797	3.8	1722	12605	7.3
	37 09/12	0	0	0.0	1568	9047	5.8	5063	51676	10.2	166	677	4.1	203	1495	7.4
	39 09/26	0	0	0.0	152	769	5.1	472	4628	9.8	0	0	0.0	1	10	10.0
	Total	735	9051	12.3	432136	2783615	6.4	39796	327133	8.2	1160061	4294409	3.7	204836	2E+06	7.7
North Cape, Anton Larsen, Sheratin, & Elchuyak Combined (254 36, 37, 38, 39)	25 06/20	1	10	10.0	475	2720	5.7	0	0	0.0	64	201	3.1	7	48	6.9
	26 06/27	6	83	13.8	2847	15614	5.5	6	36	6.0	7166	22662	3.2	718	4559	6.3
	27 07/04	3	43	14.3	2843	15302	5.4	46	250	5.4	7784	24737	3.2	856	5198	6.1
	28 07/11	5	57	11.4	2183	13905	6.4	103	699	6.8	10569	35166	3.3	1219	8182	6.7
	29 07/18	4	23	5.8	8032	54630	6.8	1044	6317	6.1	17046	59294	3.5	1361	9132	6.7
	30 07/25	6	43	7.2	2120	14502	6.8	332	2266	6.8	5853	20202	3.5	654	4409	6.7
	31 08/01	1	8	8.0	1392	9081	6.5	381	2351	6.2	6621	24373	3.7	548	3929	7.2
	32 08/08	1	23	23.0	1579	9399	6.0	1015	6893	6.8	43061	155297	3.6	1800	13509	7.5
	33 08/15	1	18	18.0	552	3345	6.1	748	5719	7.6	46469	169310	3.6	9924	79147	8.0
	34 08/22	2	51	25.5	247	1439	5.8	888	7039	7.9	23974	87489	3.6	6376	50248	7.9

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Appendix D.1. (page 3 of 7)

Section (Stat. Area)	Stat Week/ Week End	Chinook			Sockeye			Coho			Pinks			Chums		
		#	Lbs	Avg.	#	Lbs	Avg.	#	Lbs	Avg.	#	Lbs	Avg.	#	Lbs	Avg.
(Cont.)	35 08/29	0	0	0.0	0	0	0.0	3	26	8.7	551	1984	3.6	55	440	8.0
	36 09/05	0	0	0.0	0	0	0.0	488	3971	8.1	35	107	3.1	398	3283	8.2
	37 09/12	0	0	0.0	0	0	0.0	311	2354	7.6	0	0	0.0	9	56	6.2
	39 09/26	0	0	0.0	0	0	0.0	50	430	8.6	0	0	0.0	0	0	0.0
Total		30	359	12.0	22270	139937	6.3	5415	38351	7.1	169193	600822	3.6	23925	182140	7.6
Outer Karluk (255-20)	24 06/13	1	6	6.0	6	32	5.3	0	0	0.0	0	0	0.0	0	0	0.0
	25 06/20	1	4	4.0	659	3649	5.5	0	0	0.0	85	265	3.1	104	752	7.2
	26 06/27	0	0	0.0	251	1422	5.7	0	0	0.0	141	422	3.0	100	763	7.6
	27 07/04	18	313	17.4	7437	38386	5.2	0	0	0.0	2418	7968	3.3	2187	14211	6.5
	28 07/11	97	706	7.3	6346	34002	5.4	32	255	8.0	16025	53756	3.4	4909	34620	7.1
	29 07/18	6	79	13.2	1168	5765	4.9	6	40	6.7	1276	4155	3.3	190	1392	7.3
	31 08/01	0	0	0.0	128	1269	9.9	38	175	4.6	510	1710	3.4	67	514	7.7
	32 08/08	1	28	28.0	25	163	6.5	8	69	8.6	114	445	3.9	18	147	8.2
	33 08/15	0	0	0.0	256	1516	5.9	44	228	5.2	1707	6270	3.7	54	380	7.0
Total		124	1136	9.2	16276	86204	5.3	128	767	6.0	22276	74991	3.4	7629	52779	6.9
Inner Karluk (255-10)	24 06/13	64	1534	24.0	10178	51223	5.0	0	0	0.0	3	7	2.3	114	892	7.8
	26 06/27	38	436	11.5	7680	41046	5.3	0	0	0.0	738	2184	3.0	1710	11163	6.5
	27 07/04	17	239	14.1	10733	53522	5.0	4	29	7.3	2609	8017	3.1	2938	18351	6.2
	28 07/11	62	444	7.2	4158	22145	5.3	59	380	6.4	12262	39134	3.2	2829	19171	6.8
	29 07/18	11	106	9.6	781	3590	4.6	0	0	0.0	263	910	3.5	81	445	5.5
	30 07/25	0	0	0.0	371	2860	7.7	11	90	8.2	175	580	3.3	11	90	8.2
	36 09/05	0	0	0.0	31	162	5.2	90	833	9.3	0	0	0.0	7	58	8.3
	39 09/26	0	0	0.0	497	2732	5.5	4830	55526	11.5	0	0	0.0	200	1588	7.9
	40 10/03	0	0	0.0	486	2377	4.9	384	3401	8.9	0	0	0.0	3	23	7.7
Total		192	2759	14.4	34915	179657	5.1	5378	60259	11.2	16050	50832	3.2	7893	51781	6.6
Sturgeon (256-40)	26 06/27	4	54	13.5	200	1060	5.3	0	0	0.0	32	110	3.4	226	1740	7.7
	28 07/11	24	149	6.2	2688	14413	5.4	22	142	6.5	4334	14273	3.3	1232	7990	6.5
	31 08/01	0	0	0.0	75	439	5.9	12	94	7.8	74	250	3.4	9	53	5.9
	32 08/08	1	15	15.0	167	938	5.6	12	92	7.7	221	814	3.7	22	165	7.5
	33 08/15	2	26	13.0	4877	26765	5.5	2038	16854	8.3	22934	84353	3.7	333	2808	8.4
	34 08/22	7	63	9.0	487	3162	6.5	487	4673	9.6	2167	8784	4.1	78	586	7.5
Total		38	307	8.1	8494	46777	5.5	2571	21855	8.5	29762	108584	3.6	1900	13342	7.0
Halibut Bay (256-25, 30)	26 06/27	31	214	6.9	4334	23412	5.4	1	14	14.0	367	1302	3.5	444	3339	7.5
	27 07/04	39	396	10.2	10369	54479	5.3	18	74	4.1	2693	8771	3.3	2277	14948	6.6
	29 07/18	12	215	17.9	10487	62606	6.0	116	801	6.9	16611	57093	3.4	1394	10544	7.6
	31 08/01	116	1384	11.9	25831	155288	6.0	892	6773	7.6	22415	79451	3.5	778	5769	7.4
	32 08/08	35	601	17.2	31985	187875	5.9	1917	14812	7.7	42971	156218	3.6	711	5549	7.8
	33 08/15	55	917	16.7	43388	258510	6.0	6945	56394	8.1	66908	250617	3.7	841	6462	7.7
	34 08/22	56	797	14.2	12290	72243	5.9	2769	22697	8.2	19175	76492	4.0	1111	8843	8.0
	35 08/29	1	15	15.0	230	1209	5.3	3303	32005	9.7	445	1603	3.6	15	119	7.9
Total		345	4539	13.2	138914	815622	5.9	15961	133570	8.4	171585	631547	3.7	7571	55573	7.3
Inner & Outer Ayakulik (256-10, 20)	24 06/13	729	17656	24.2	24414	122460	5.0	0	0	0.0	32	93	2.9	219	1651	7.5
	29 07/18	0	0	0.0	37	300	8.1	1	6	6.0	28	120	4.3	0	0	0.0
	33 08/15	0	0	0.0	36	212	5.9	4	23	5.8	958	3547	3.7	71	455	6.4
	34 08/22	0	0	0.0	3	16	5.3	2	19	9.5	0	0	0.0	0	0	0.0
	35 08/29	0	0	0.0	1166	6561	5.6	8339	79968	9.6	1263	4280	3.4	37	275	7.4
	36 09/05	0	0	0.0	17	93	5.5	626	5823	9.3	0	0	0.0	0	0	0.0
	37 09/12	0	0	0.0	5	22	4.4	4011	41252	10.3	0	0	0.0	1	5	5.0
Total		729	17656	24.2	25678	129664	5.0	12983	127091	9.8	2281	8040	3.5	328	2386	7.3

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Appendix D.1. (page 4 of 7)

Section (Stat. Area)	Stat Week/ Week End	Chinook			Sockeye			Coho			Pinks			Chums		
		#	Lbs	Avg.	#	Lbs	Avg.	#	Lbs	Avg.	#	Lbs	Avg.	#	Lbs	Avg.
Cape Alitak (257-10, 20)	24 06/13	10	231	23.1	9170	49131	5.4	1	8	8.0	14	52	3.7	40	282	7.1
	26 06/27	0	0	0.0	4	26	6.5	0	0	0.0	0	0	0.0	0	0	0.0
	29 07/18	8	142	17.8	9762	63943	6.6	19	138	7.3	21915	74607	3.4	2768	19969	7.2
	30 07/25	16	483	30.2	28875	190926	6.6	65	467	7.2	84479	292684	3.5	1957	14010	7.2
	31 08/01	22	410	18.6	31333	195513	6.2	234	1471	6.3	85242	299576	3.5	1647	12496	7.6
	32 08/08	11	275	25.0	22349	133427	6.0	186	1502	8.1	51364	185306	3.6	1290	10357	8.0
	33 08/15	6	229	38.2	45042	265533	5.9	1239	10225	8.3	107715	413551	3.8	3033	25199	8.3
	34 08/22	4	119	29.8	13972	80691	5.8	2196	20501	9.3	11075	43650	3.9	1317	11532	8.8
	35 08/29	0	0	0.0	37	228	6.2	33	297	9.0	78	310	4.0	702	5306	7.6
	36 09/05	0	0	0.0	2203	12460	5.7	2332	22012	9.4	796	2761	3.5	1502	12902	8.6
	39 09/26	0	0	0.0	10	58	5.8	91	849	9.3	0	0	0.0	44	333	7.6
	Total	77	1889	24.5	162757	991936	6.1	6396	57470	9.0	362678	1312497	3.6	14300	112386	7.9
Moser/Olga Bay & Dog Salmon Flats (257-40, 41)	24 06/13	2	44	22.0	21398	118433	5.5	0	0	0.0	1	4	4.0	46	376	8.2
	29 07/18	2	52	26.0	14858	89754	6.0	88	639	7.3	12420	46879	3.8	5813	38361	6.6
	30 07/25	2	39	19.5	24332	150936	6.2	114	857	7.5	13414	48931	3.6	3877	27169	7.0
	31 08/01	2	24	12.0	50723	308965	6.1	225	1732	7.7	13742	51943	3.8	1506	11184	7.4
	32 08/08	0	0	0.0	39398	240180	6.1	236	1790	7.6	9252	35563	3.8	1189	9678	8.1
	33 08/15	1	31	31.0	70816	422553	6.0	1752	14351	8.2	24259	94570	3.9	2671	22041	8.3
	34 08/22	1	32	32.0	30941	183785	5.9	2503	22058	8.8	7725	31491	4.1	2464	21115	8.6
	35 08/29	0	0	0.0	31	166	5.4	1	10	10.0	0	0	0.0	3	24	8.0
	36 09/05	1	25	25.0	6481	36652	5.7	3162	29273	9.3	580	2260	3.9	2463	19993	8.1
	37 09/12	0	0	0.0	3869	21390	5.5	1207	11143	9.2	49	173	3.5	1222	9357	7.7
	38 09/19	0	0	0.0	749	4225	5.6	710	6501	9.2	0	0	0.0	372	2756	7.4
	39 09/26	0	0	0.0	22	144	6.5	20	269	13.5	0	0	0.0	40	392	9.8
	Total	11	247	22.5	263618	1577183	6.0	10018	88623	8.8	81442	311814	3.8	21666	162446	7.5
Inner & Outer Akalura & Inner & Outer Upper Station (257-30)	25 06/20	1	21	21.0	19382	105793	5.5	0	0	0.0	0	0	0.0	5	37	7.4
	26 06/27	0	0	0.0	5918	31818	5.4	0	0	0.0	4	14	3.5	12	75	6.3
	27 07/04	0	0	0.0	21863	118765	5.4	0	0	0.0	148	481	3.3	57	393	6.9
	28 07/11	0	0	0.0	4495	24621	5.5	4	17	4.3	66	240	3.6	60	423	7.1
Total		1	21	21.0	51658	280997	5.4	4	17	4.3	218	735	3.4	134	928	6.9
Bulpy/Deadman (257-50, 60, 70)	29 07/18	7	146	20.9	4199	28662	6.8	9	69	7.7	14670	51954	3.5	721	5441	7.5
	30 07/25	4	115	28.8	6704	44078	6.6	15	114	7.6	36208	125518	3.5	810	6291	7.8
	31 08/01	2	101	50.5	4690	28685	6.1	31	205	6.6	276172	942364	3.4	2299	18239	7.9
	32 08/08	1	12	12.0	5087	30754	6.0	10	58	5.8	56197	202203	3.6	2805	21664	7.7
	33 08/15	1	4	4.0	14449	84657	5.9	280	2181	7.8	73503	284667	3.9	4926	41202	8.4
	34 08/22	0	0	0.0	2030	11980	5.9	406	3553	8.8	12920	51150	4.0	2873	25093	8.7
	35 08/29	1	10	10.0	292	1631	5.6	156	1175	7.5	2750	11191	4.1	1484	13010	8.8
	36 09/05	0	0	0.0	0	0	0.0	40	368	9.2	125	478	3.8	1930	14642	7.6
	37 09/12	0	0	0.0	0	0	0.0	595	5430	9.1	0	0	0.0	5779	49772	8.6
	Total	16	388	24.3	37451	230447	6.2	1542	13153	8.5	472545	1669525	3.5	23627	195354	8.3
Seven Rivers (258-70, 80, 83, 85, 90)	28 07/11	0	0	0.0	344	1717	5.0	0	0	0.0	43	150	3.5	1173	6845	5.8
	29 07/18	0	0	0.0	130	457	3.5	0	0	0.0	72	254	3.5	2092	12778	6.1
	30 07/25	0	0	0.0	360	1789	5.0	0	0	0.0	8760	31129	3.6	2015	12207	6.1
	31 08/01	0	0	0.0	987	4352	4.4	2	15	7.5	233596	825672	3.5	5126	31543	6.2
	32 08/08	0	0	0.0	106	619	5.8	7	45	6.4	194615	696664	3.6	482	3449	7.2
	33 08/15	0	0	0.0	179	870	4.9	79	604	7.6	174917	634951	3.6	451	3520	7.8
	34 08/22	0	0	0.0	79	406	5.1	705	5439	7.7	64181	233416	3.6	1385	10343	7.5
Total		0	0	0.0	2185	10210	4.7	793	6103	7.7	676184	2422236	3.6	12724	80685	6.3

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Appendix D.1. (page 5 of 7)

Section (Stat. Area)	Stat Week/ Week End	Chinook			Sockeye			Coho			Pinks			Chums		
		#	Lbs	Avg.	#	Lbs	Avg.	#	Lbs	Avg.	#	Lbs	Avg.	#	Lbs	Avg.
Two Headed (259-54, 55, 60)	29 07/18	0	0	0.0	5	25	5.0	0	0	0.0	81	285	3.5	2	12	6.0
	30 07/25	47	420	8.9	1262	8785	7.0	92	600	6.5	3938	13891	3.5	574	4185	7.3
	31 08/01	22	172	7.8	2231	13441	6.0	227	1538	6.8	44601	156262	3.5	1621	11556	7.1
	32 08/08	3	77	25.7	926	5492	5.9	234	1664	7.1	9405	33882	3.6	1413	10748	7.6
	33 08/15	5	83	16.6	753	4320	5.7	241	1649	6.8	8355	30331	3.6	1402	10463	7.5
	35 08/29	0	0	0.0	10	53	5.3	169	1364	8.1	43	139	3.2	60	433	7.2
	36 09/05	0	0	0.0	0	0	0.0	461	3892	8.4	17	40	2.4	268	2155	8.0
	Total	77	752	9.8	5187	32116	6.2	1424	10707	7.5	66440	234830	3.5	5340	39552	7.4
Sitkalidak (258-10, 20, 30, 40, 51, 52, 53)	25 06/20	0	0	0.0	23	159	6.9	0	0	0.0	0	0	0.0	3	19	6.3
	28 07/11	33	158	4.8	97	602	6.2	1	6	6.0	473	1646	3.5	150	1081	7.2
	29 07/18	7	82	11.7	4543	32231	7.1	97	587	6.1	4052	14038	3.5	738	5760	7.8
	30 07/25	23	202	8.8	1119	7277	6.5	168	1258	7.5	5250	20650	3.9	2324	18195	7.8
	31 08/01	14	155	11.1	534	3226	6.0	171	1214	7.1	16899	65048	3.8	2599	22003	8.5
	32 08/08	7	228	32.6	444	2492	5.6	278	1943	7.0	18840	69063	3.7	3624	27422	7.6
	33 08/15	4	45	11.3	70	349	5.0	249	2200	8.8	11087	41235	3.7	2412	18407	7.6
	34 08/22	1	8	8.0	403	2106	5.2	597	4901	8.2	6361	25071	3.9	25921	203041	7.8
	35 08/29	0	0	0.0	10	56	5.6	1259	11195	8.9	2233	8686	3.9	19293	154025	8.0
	36 09/05	50	453	9.1	4	20	5.0	1799	16431	9.1	64	128	2.0	6245	48821	7.8
	37 09/12	0	0	0.0	0	0	0.0	1621	14730	9.1	0	0	0.0	905	6875	7.6
	Total	139	1331	9.6	7247	48518	6.7	6240	54465	8.7	65259	245565	3.8	64214	505649	7.9
Inner & Outer Ugak (259-40, 41, 42)	28 07/11	55	602	10.9	1281	6037	4.7	0	0	0.0	194	710	3.7	83	601	7.2
	29 07/18	80	367	4.6	1321	7042	5.3	0	0	0.0	1318	5136	3.9	380	2245	5.9
	30 07/25	57	343	6.0	736	3629	4.9	3	19	6.3	1994	7573	3.8	291	1993	6.8
	31 08/01	4	64	16.0	67	383	5.7	0	0	0.0	978	4036	4.1	533	4178	7.8
	35 08/29	6	90	15.0	0	0	0.0	2107	18296	8.7	4675	17194	3.7	4513	34389	7.6
	36 09/05	0	0	0.0	1	8	8.0	4315	39132	9.1	797	2760	3.5	1960	14566	7.4
	37 09/12	0	0	0.0	0	0	0.0	3675	34586	9.4	8	19	2.4	568	4198	7.4
	Total	202	1466	7.3	3406	17099	5.0	10100	92033	9.1	9964	37428	3.8	8328	62170	7.5
Outer Chiniak (259-21, 25)	31 08/01	0	0	0.0	5	25	5.0	0	0	0.0	1175	4366	3.7	242	1881	7.8
	33 08/15	0	0	0.0	12	50	4.2	154	1137	7.4	12802	45559	3.6	1085	9871	9.1
	34 08/22	0	0	0.0	0	0	0.0	124	950	7.7	3676	12946	3.5	119	925	7.8
	35 08/29	0	0	0.0	0	0	0.0	591	5198	8.8	390	1489	3.8	400	3737	9.3
	36 09/05	0	0	0.0	0	0	0.0	10	69	6.9	2155	8978	4.2	87	804	9.2
	37 09/12	0	0	0.0	0	0	0.0	3292	34501	10.5	12	41	3.4	14	103	7.4
	38 09/19	1	16	16.0	0	0	0.0	1696	18135	10.7	0	0	0.0	12	69	5.8
	39 09/26	0	0	0.0	0	0	0.0	698	7700	11.0	0	0	0.0	2	9	4.5
	Total	1	16	16.0	17	75	4.4	6565	67690	10.3	20210	73379	3.6	1961	17399	8.9
Inner Chiniak (259-23, 24)	28 07/11	2	27	13.5	6	22	3.7	0	0	0.0	2715	9907	3.6	1	4	4.0
	29 07/18	11	132	12.0	1	4	4.0	0	0	0.0	6688	24331	3.6	1	4	4.0
	30 07/25	0	0	0.0	0	0	0.0	0	0	0.0	3832	14503	3.8	10	77	7.7
	31 08/01	0	0	0.0	1	10	10.0	1	8	8.0	7491	28491	3.8	557	4456	8.0
	32 08/08	0	0	0.0	10	55	5.5	2	13	6.5	9410	34955	3.7	133	1161	8.7
	33 08/15	2	3	1.5	5	28	5.6	124	899	7.3	37578	143588	3.8	3844	33954	8.8
	34 08/22	2	31	15.5	4	20	5.0	928	7628	8.2	17435	65187	3.7	4015	33559	8.4
	35 08/29	0	0	0.0	137	986	7.2	1117	9866	8.8	2384	8457	3.5	5709	49364	8.6
	36 09/05	0	0	0.0	0	0	0.0	1164	10138	8.7	1887	6981	3.7	1148	9687	8.4
	37 09/12	0	0	0.0	0	0	0.0	90	815	9.1	0	0	0.0	45	422	9.4
	38 09/19	0	0	0.0	0	0	0.0	243	2335	9.6	0	0	0.0	31	252	8.1
	Total	17	193	11.4	164	1125	6.9	3669	31702	8.6	89420	336400	3.8	15494	132940	8.6

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Appendix D.1. (page 6 of 7)

Section (Stat. Area)	Stat Week/ Week End	Chinook			Sockeye			Coho			Pinks			Chums		
		#	Lbs	Avg.	#	Lbs	Avg.	#	Lbs	Avg.	#	Lbs	Avg.	#	Lbs	Avg.
Buskin River (259-22)	29 07/18	0	0	0.0	0	0	0.0	0	0	0.0	90	326	3.6	12	72	6.0
	30 07/25	0	0	0.0	32	173	5.4	0	0	0.0	11376	41786	3.7	631	4843	7.7
	31 08/01	0	0	0.0	7	34	4.9	0	0	0.0	14972	58514	3.9	761	6003	7.9
	32 08/08	0	0	0.0	12	55	4.6	7	57	8.1	29811	111264	3.7	448	3584	8.0
	33 08/15	1	40	40.0	204	1137	5.6	200	1389	6.9	60062	223641	3.7	4590	37462	8.2
	34 08/22	0	0	0.0	1	4	4.0	338	2550	7.5	19618	75489	3.8	2965	23868	8.0
	35 08/29	0	0	0.0	0	0	0.0	0	0	0.0	138	526	3.8	33	296	9.0
	37 09/12	0	0	0.0	0	0	0.0	483	4977	10.3	1	4	4.0	17	136	8.0
	38 09/19	0	0	0.0	0	0	0.0	1093	12100	11.1	0	0	0.0	6	55	9.2
	39 09/26	0	0	0.0	0	0	0.0	213	2052	9.6	0	0	0.0	0	0	0.0
	40 10/03	0	0	0.0	19	96	5.1	20	151	7.6	0	0	0.0	2	16	8.0
	41 10/10	0	0	0.0	47	262	5.6	81	843	10.4	0	0	0.0	1	11	11.0
	Total	1	40	40.0	322	1761	5.5	2435	24119	9.9	136068	511550	3.8	9466	76346	8.1
Monashka/Mill Bay (259-10)	28 07/11	0	0	0.0	188	1200	6.4	6	40	6.7	580	2065	3.6	110	755	6.9
	29 07/18	0	0	0.0	1892	13005	6.9	249	1480	5.9	1963	6430	3.3	155	985	6.4
	30 07/25	0	0	0.0	477	3250	6.8	54	415	7.7	2028	7155	3.5	170	1215	7.1
	31 08/01	0	0	0.0	296	1765	6.0	84	550	6.5	4375	15470	3.5	152	925	6.1
	32 08/08	0	0	0.0	204	1180	5.8	57	363	6.4	7178	26673	3.7	185	1414	7.6
	33 08/15	0	0	0.0	113	660	5.8	120	818	6.8	10686	38598	3.6	838	6290	7.5
	34 08/22	0	0	0.0	81	447	5.5	251	2034	8.1	4114	15185	3.7	722	5132	7.1
	36 09/05	0	0	0.0	0	0	0.0	95	727	7.7	35	108	3.1	160	1313	8.2
	Total	0	0	0.0	3251	21507	6.6	916	6427	7.0	30959	111684	3.6	2492	18029	7.2
Big River (262-10, 15)	28 07/11	10	301	30.1	6664	41752	6.3	14	76	5.4	1536	5073	3.3	2810	22569	8.0
	29 07/18	0	0	0.0	74	407	5.5	4	40	10.0	148	582	3.9	265	2271	8.6
	31 08/01	0	0	0.0	10	68	6.8	0	0	0.0	335	1105	3.3	3568	29316	8.2
	35 08/29	0	0	0.0	6	37	6.2	7828	66603	8.5	160	710	4.4	3096	20360	6.6
	36 09/05	0	0	0.0	2	10	5.0	1778	15480	8.7	1	2	2.0	77	907	11.8
	37 09/12	0	0	0.0	2	11	5.5	159	1488	9.4	0	0	0.0	2	9	4.5
	Total	10	301	30.1	6758	42285	6.3	9783	83687	8.6	2180	7472	3.4	9818	75432	7.7
Halo Bay (262-20)	25 06/20	0	0	0.0	89	631	7.1	0	0	0.0	0	0	0.0	0	0	0.0
	30 07/25	5	24	4.8	3	13	4.3	0	0	0.0	52	217	4.2	3929	29178	7.4
	31 08/01	0	0	0.0	738	3248	4.4	0	0	0.0	733	3035	4.1	6882	56212	8.2
	35 08/29	0	0	0.0	0	0	0.0	797	6286	7.9	350	1477	4.2	586	5636	9.6
	36 09/05	0	0	0.0	0	0	0.0	830	6646	8.0	0	0	0.0	454	3642	8.0
	39 09/26	0	0	0.0	0	0	0.0	253	2104	8.3	0	0	0.0	0	0	0.0
	Total	5	24	4.8	830	3892	4.7	1880	15036	8.0	1135	4729	4.2	11851	94668	8.0
Outer Kukak (262-25, 30)	25 06/20	0	0	0.0	235	862	3.7	0	0	0.0	0	0	0.0	0	0	0.0
	26 06/27	0	0	0.0	370	1730	4.7	0	0	0.0	0	0	0.0	0	0	0.0
	28 07/11	0	0	0.0	31	186	6.0	0	0	0.0	18	63	3.5	108	892	8.3
	31 08/01	0	0	0.0	450	1890	4.2	0	0	0.0	23	98	4.3	0	0	0.0
	33 08/15	1	15	15.0	97	445	4.6	43	330	7.7	5344	19523	3.7	62497	526920	8.4
	34 08/22	0	0	0.0	115	651	5.7	190	1546	8.1	5544	20293	3.7	42963	375794	8.7
	Total	1	15	15.0	1298	5764	4.4	233	1876	8.1	10929	39977	3.7	105568	903606	8.6
Inner Kukak (262-27)	32 08/08	0	0	0.0	0	0	0.0	0	0	0.0	95	330	3.5	430	3650	8.5
	33 08/15	0	0	0.0	1	3	3.0	2	14	7.0	159	596	3.7	6307	55343	8.8
	34 08/22	0	0	0.0	29	94	3.2	20	137	6.9	1649	6328	3.8	10252	90323	8.8
	Total	0	0	0.0	30	97	3.2	22	151	6.9	1903	7254	3.8	16989	149316	8.8

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Appendix D.1. (page 7 of 7)

Section (Stat. Area)	Stat Week/ Week End	Chinook			Sockeye			Coho			Pinks			Chums		
		#	Lbs	Avg.	#	Lbs	Avg.	#	Lbs	Avg.	#	Lbs	Avg.	#	Lbs	Avg.
Dakavak (262-35, 40, 45, 50, 55)	28 07/11	265	1213	4.6	3447	19003	5.5	78	314	4.0	902	2737	3.0	886	6356	7.2
	31 08/01	2	40	20.0	5981	43795	7.3	280	1951	7.0	1710	5733	3.4	1572	11898	7.6
	32 08/08	2	40	20.0	3486	23452	6.7	1893	13932	7.4	9388	35797	3.8	3326	25300	7.6
	33 08/15	0	0	0.0	3850	15918	4.1	19	157	8.3	950	3818	4.0	459	3927	8.6
	Total	269	1293	4.8	16764	102168	6.1	2270	16354	7.2	12950	48085	3.7	6243	47481	7.6
Katmai (262 60)	31 08/01	0	0	0.0	0	0	0.0	0	0	0.0	2090	7530	3.6	1260	8052	6.4
	32 08/08	0	0	0.0	0	0	0.0	0	0	0.0	220	660	3.0	7	80	11.4
	Total	0	0	0.0	0	0	0.0	0	0	0.0	2310	8190	3.5	1267	8132	6.4
Alinchak (262-65, 70)	25 06/20	0	0	0.0	214	1380	6.4	0	0	0.0	0	0	0.0	0	0	0.0
	26 06/27	0	0	0.0	15	100	6.7	0	0	0.0	0	0	0.0	0	0	0.0
	28 07/11	669	2557	3.8	10364	65445	6.3	239	1236	5.2	2725	8942	3.3	2493	17611	7.1
	30 07/25	76	721	9.5	5460	36667	6.7	2184	14060	6.4	4964	17222	3.5	1993	14130	7.1
	31 08/01	0	0	0.0	16	99	6.2	0	0	0.0	10065	37730	3.7	3083	24604	8.0
	32 08/08	1	10	10.0	83	491	5.9	11	75	6.8	44333	170389	3.8	4998	38046	7.6
	36 09/05	0	0	0.0	98	612	6.2	2726	21949	8.1	20055	79926	4.0	7905	54009	6.8
	Total	746	3288	4.4	16250	104794	6.4	5160	37320	7.2	82142	314209	3.8	20472	148400	7.2
Cape Igvak (262 75, 80, 90, 95)	24 06/13	39	844	21.6	48292	321188	6.7	0	0	0.0	97	268	2.8	708	4609	6.5
	25 06/20	191	2319	12.1	142335	944483	6.6	28	178	6.4	497	1508	3.0	5522	37177	6.7
	26 06/27	45	745	16.6	104227	679405	6.5	1	6	6.0	1898	5764	3.0	3565	24754	6.9
	27 07/04	1	9	9.0	10342	69243	6.7	0	0	0.0	475	1489	3.1	537	3757	7.0
	28 07/11	29	409	14.1	11095	73128	6.6	50	414	8.3	1681	5140	3.1	1934	14822	7.7
	29 07/18	150	2319	15.5	83273	583217	7.0	745	4614	6.2	12975	41649	3.2	15311	115874	7.6
	30 07/25	2	12	6.0	678	4400	6.5	188	1348	7.2	715	2416	3.4	208	1564	7.5
	31 08/01	212	2851	13.4	24674	168945	6.8	4133	28864	7.0	27374	99220	3.6	12503	97391	7.8
	32 08/08	20	222	11.1	3238	20137	6.2	4198	30393	7.2	24517	96001	3.9	2292	17556	7.7
	34 08/22	0	0	0.0	76	451	5.9	86	592	6.9	9793	37169	3.8	1078	8945	8.3
	36 09/05	0	0	0.0	20	111	5.6	462	3235	7.0	306	1102	3.6	23	190	8.3
	Total	689	9730	14.1	428250	2864708	6.7	9891	69644	7.0	80328	291726	3.6	43681	326639	7.5
Wide Bay (262 85)	26 06/27	0	0	0.0	772	5070	6.6	0	0	0.0	48	129	2.7	55	283	5.1
	29 07/18	0	0	0.0	2	15	7.5	0	0	0.0	544	1795	3.3	1000	7445	7.4
	31 08/01	0	0	0.0	10	58	5.8	0	0	0.0	1250	4912	3.9	2794	23704	8.5
	32 08/08	2	50	25.0	244	1546	6.3	24	186	7.8	21066	84204	4.0	7576	58663	7.7
	36 09/05	0	0	0.0	0	0	0.0	695	5274	7.6	11453	40752	3.6	3899	30853	7.9
Total		2	50	25.0	1028	6689	6.5	719	5460	7.6	34361	131792	3.8	15324	120948	7.9

Appendix D.2. Commercial salmon harvest by day and species, Kodiak Management Area, 1987.

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Date	Permits	Ldngs	Chinook		Sockeye		Coho		Pink		Chum		Total	
			#	Lbs	#	Lbs	#	Lbs	#	Lbs	#	Lbs	#	Lbs
06/07	1	1	0	0	15	83	0	0	0	0	0	0	15	83
06/09	26	27	1	17	9506	53211	1	8	3	10	25	197	9536	53443
06/10	69	75	129	3319	21732	117743	0	0	12	46	61	461	21934	121569
06/11	27	27	349	8355	9087	45689	0	0	0	0	31	255	9467	54299
06/12	92	96	320	7558	36083	202811	0	0	59	170	531	3764	36993	214303
06/13	66	71	49	1092	37250	244227	0	0	90	258	490	3228	37879	248805
06/14	156	162	79	989	38684	247549	21	125	201	680	603	4153	39588	253496
06/15	176	197	90	975	25972	160508	1	8	305	966	1024	6881	27392	169338
06/16	48	53	6	93	8972	57943	1	5	19	55	156	967	9154	59063
06/17	100	103	16	250	19803	127909	0	0	26	101	1513	10344	21358	138604
06/18	142	153	69	381	25884	163766	2	16	54	166	991	6528	27000	170857
06/19	119	121	19	208	31049	191292	0	0	101	313	954	6373	32123	198186
06/20	176	192	75	800	35511	233139	7	55	1663	5262	1800	12686	39056	251942
06/21	195	222	84	1065	31643	204274	3	15	2740	8779	1959	14060	36429	228193
06/22	94	101	8	143	24143	158167	0	0	280	888	429	3133	24860	162331
06/23	15	15	0	0	5557	35190	0	0	79	218	136	901	5772	36309
06/24	40	40	5	68	3277	18699	0	0	2505	7863	475	3684	6262	30314
06/25	127	137	27	263	12380	75666	0	0	5360	16395	1731	12228	19498	104552
06/26	146	159	34	448	25361	154677	5	25	3877	12133	2380	16041	31657	183324
06/27	218	237	62	614	43104	261422	5	38	4298	13775	4943	33496	52412	309345
06/28	190	215	34	321	25646	150872	4	25	4880	15741	4298	28896	34862	195855
06/29	84	90	5	53	9822	53476	3	21	5687	17873	2340	15141	17857	86564
06/30	118	132	25	332	17130	91620	49	247	10831	34170	4606	28986	32641	155355
07/01	133	142	44	632	23504	123611	7	37	10471	35578	7917	53098	41943	212956
07/02	120	147	21	226	16484	90681	21	131	10314	35629	7101	50423	33941	177090
07/03	19	19	98	436	4440	23682	0	0	1266	3927	590	4079	6394	32124
07/04	15	17	0	0	5362	29129	0	0	33	120	17	126	5412	29375
07/05	12	12	0	0	2473	13503	1	6	32	125	25	176	2531	13810
07/06	133	134	56	626	7859	42423	60	430	12033	39457	8830	69018	28838	151954
07/07	223	253	99	834	15627	87070	193	905	34336	111089	15718	120337	65973	320235
07/08	216	237	219	1606	14651	84521	80	526	38746	125224	15814	117146	69510	329023
07/09	246	295	1001	4094	20252	121147	418	2282	45752	151954	16701	124303	84124	403780
07/10	5	5	0	0	828	4992	1	5	449	1634	452	3747	1730	10378
07/11	104	104	29	409	11095	73128	50	414	1681	5140	1934	14822	14789	93913
07/12	115	125	53	589	17540	119074	136	853	3134	9897	6407	47024	27270	177437
07/13	261	268	73	661	30084	190852	682	4251	42143	145217	10076	73332	83058	414313
07/14	302	337	72	1003	38853	249325	1112	6668	67768	232874	18685	137730	126490	627600
07/15	300	339	62	889	44230	293695	993	6248	65401	227273	13679	99890	124365	627995
07/16	245	299	66	874	48250	332419	922	5738	47306	159084	12129	93647	108673	591762
07/17	25	28	4	117	9865	65429	427	2562	9213	30412	1222	8247	20731	106767
07/20	263	275	83	954	66378	463974	1038	6853	94461	332685	15585	115333	177545	919799
07/21	310	355	142	2143	76299	529056	2653	17712	134509	465625	16466	122305	230069	1136841

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Date	Permits	Ldngs	Chinook		Sockeye		Coho		Pink		Chum		Total	
			#	Lbs	#	Lbs	#	Lbs	#	Lbs	#	Lbs	#	Lbs
07/22	314	363	84	1423	88404	641076	1812	12294	113850	400529	16788	126199	220938	1181521
07/23	59	61	7	123	36241	256246	1314	8905	35154	124379	4777	34483	77493	424136
07/24	2	2	0	0	240	1535	4	23	8120	27499	198	1086	8562	30143
07/26	1	1	0	0	0	0	0	0	610	2295	5	40	615	2335
07/27	223	245	36	676	20274	133800	1692	11125	157816	565546	12715	101892	192533	813039
07/28	311	370	105	1666	67754	448861	4739	32915	323512	1125694	23411	180042	419521	1789178
07/29	325	380	219	3169	64315	426365	6249	43862	260790	927081	21940	170188	353513	1570665
07/30	185	210	62	677	34959	224159	1914	13881	148081	485415	6405	46337	191421	770469
07/31	169	187	70	810	29729	179937	568	4413	143309	484293	2197	15947	175873	685400
08/01	156	175	35	593	22521	136239	420	2903	145352	491646	3039	21343	171367	652724
08/02	295	324	26	478	27567	164229	3617	26274	288642	1048370	10219	76349	330071	1315700
08/03	353	396	53	995	36319	218682	5746	41749	332028	1218046	19717	151901	393863	1631373
08/04	310	356	31	672	22731	139935	4046	29327	216400	781064	12980	102276	256188	1053274
08/05	23	23	0	0	1646	10286	1329	7090	64564	208401	3589	28577	71128	254354
08/06	2	2	0	0	590	4239	119	1076	19364	68953	434	3346	20507	77614
08/08	149	157	12	255	37557	227427	728	5765	118001	431786	1613	13713	157911	678946
08/09	159	182	13	252	46984	284748	1636	13421	106065	391030	2176	17870	156874	707321
08/10	286	310	21	311	32903	196892	2546	20107	249300	930482	14060	113497	298830	1261289
08/11	310	358	24	573	34859	199300	4984	38740	259171	976815	20982	165142	320020	1380570
08/12	287	328	24	493	34293	200093	6576	50227	228081	844966	26478	223224	295452	1319003
08/13	266	303	17	258	27533	161591	5371	42095	219835	814252	27314	223196	280070	1241392
08/14	243	271	14	249	31265	184575	4299	34781	160446	598573	26464	216962	222488	1035140
08/15	266	336	11	126	33196	194930	5230	41448	174766	659937	24605	207256	237808	1103697
08/16	32	32	2	49	1620	10113	484	3802	46639	156895	10737	98441	59482	269300
08/17	3	3	0	0	358	1470	5	41	837	3257	88	724	1288	5492
08/18	231	235	27	343	20268	119608	3228	27223	74026	276799	24621	214018	122170	637991
08/19	279	299	21	320	31049	184490	7275	59217	110756	425468	20113	164548	169214	834043
08/20	271	331	24	387	18191	107244	9305	76908	133803	513140	26494	214682	187817	912361
08/21	139	148	3	66	5592	32617	2539	22340	109135	422140	22335	180816	139604	657979
08/22	105	114	2	53	4399	25500	2853	25093	70624	268343	14087	118428	91965	437417
08/23	17	17	0	0	338	2349	534	4280	26665	112544	5730	44537	33267	163710
08/24	3	3	0	0	31	166	30	295	62	225	583	4518	706	5204
08/25	2	2	0	0	5	36	61	482	8	40	0	0	74	558
08/27	45	45	2	25	369	1894	5528	49232	776	2974	6610	48043	13285	102168
08/28	87	96	3	65	398	2065	9638	88860	9898	37071	15014	122610	34951	250671
08/29	94	96	3	25	962	5656	13753	121218	7219	24518	12913	105781	34850	257198
08/30	11	12	0	0	20	112	4184	36019	1086	3691	3564	27872	8854	67694
08/31	65	70	1	25	4341	24515	4066	36976	17039	67848	7220	50723	32667	180087
09/01	100	119	0	0	6878	38946	8173	72219	14436	53787	6588	51100	36075	216052
09/02	75	93	1	20	5997	34382	9919	88150	9027	33518	9657	76304	34601	232374
09/03	23	27	50	453	953	5588	5076	44390	7197	27309	3179	24154	16455	101894
09/04	3	3	0	0	59	342	693	5297	183	719	40	277	975	6635

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Date	Permits	Ldngs	Chinook		Sockeye		Coho		Pink		Chum		Total	
			#	Lbs	#	Lbs	#	Lbs	#	Lbs	#	Lbs	#	Lbs
09/06	1	1	0	0	0	0	214	2320	0	0	0	0	214	2320
09/09	18	23	0	0	1140	6458	1018	10405	29	98	127	928	2314	17889
09/10	37	45	0	0	2551	14318	5042	50113	85	298	1964	16034	9642	80763
09/11	48	54	0	0	1748	9672	8191	82502	62	313	6061	51038	16062	143525
09/12	13	13	0	0	5	22	6042	57612	60	205	613	4428	6720	62267
09/16	11	14	0	0	491	2773	279	2806	0	0	135	950	905	6529
09/17	9	9	0	0	0	0	1454	14792	0	0	33	263	1487	15055
09/18	12	15	0	0	258	1452	1329	14968	0	0	252	1912	1839	18332
09/19	3	3	1	16	0	0	680	6505	0	0	1	7	682	6528
09/20	9	10	0	0	32	202	1626	16390	0	0	84	725	1742	17317
09/21	2	2	0	0	152	769	73	654	0	0	1	10	226	1433
09/23	1	1	0	0	0	0	13	143	0	0	0	0	13	143
09/24	7	9	0	0	412	2292	3568	41247	0	0	54	418	4034	43957
09/25	1	1	0	0	85	440	1092	12560	0	0	146	1170	1323	14170
09/26	3	3	0	0	0	0	255	2564	0	0	2	9	257	2573
09/27	2	2	0	0	220	1069	127	1351	0	0	0	0	347	2420
09/28	2	2	0	0	231	1149	250	2003	0	0	0	0	481	3152
10/03	2	2	0	0	54	255	27	198	0	0	5	39	86	492
10/07	1	1	0	0	47	262	81	843	0	0	1	11	129	1116
TOTAL	491	13312	4612	59083	1792819	11261015	192540	1620648	5075027	18287058	681982	5333570	7746980	36561374
AVG.WT.				12.81		6.28		8.42		3.60		7.82		

Appendix D.3. Commercial salmon harvest and value by gear,
Kodiak Management Area, 1987.

(Values Expressed in Millions)							
	King	Reds	Cohos	Pinks	Chums	Total	%
<u>Purse Seine</u>							
Total No.s	.004	1.248	.160	4.229	.542	6.183	.80
Avg. Wt.	12.7	6.4	8.4	3.6	7.9	-	-
Total Lbs.	.055	7.997	1.351	15.244	4.298	28.945	.79
Avg. \$/Lb.	\$1.25	\$1.65	\$1.00	\$0.32	\$0.40	-	-
Ex-Vessel \$	\$.069	\$13.195	\$1.351	\$4.878	\$1.719	\$21.212	.75

For 298 Permits							
- Avg. \$ Value	\$> .001	\$.044	\$.005	\$.016	\$.006	\$.071	-
- %	> .01	.62	.07	.23	.08	1.00	
<u>Beach Seine</u>							
Total No.s	> .001	.002	.003	.136	.009	.150	.03
Avg. Wt.	13.5	5.7	10.5	3.4	7.2	-	-
Total Lbs.	> .001	.009	.039	.466	.068	.583	.03
Avg. \$/Lb.	\$1.25	\$1.65	\$1.00	\$0.32	\$0.40	-	-
Ex-Vessel \$	\$> .001	\$.015	\$.039	\$.149	\$.027	\$.230	.01

For 18 Permits							
- Avg. \$ Value	\$> .001	\$.001	\$.002	\$.008	\$.002	\$.013	-
- %	> .01	.05	.15	.62	.15	1.00	
<u>Set Gillnet</u>							
Total No.s	> .001	.542	.028	.556	.129	1.256	.17
Avg. Wt.	14.3	6.0	8.1	3.9	7.4	-	-
Total Lbs.	.003	3.251	.230	2.160	.961	6.605	.18
Avg. \$/Lb.	\$1.25	\$1.65	\$1.00	\$0.32	\$0.40	-	-
Ex-Vessel \$	\$.004	\$5.364	\$.023	\$.691	\$.384	\$6.673	.24

For 173 Permits							
- Avg. \$ Value	\$> .001	\$.031	\$.001	\$.004	\$.002	\$.038	-
- %	> .01	.80	.03	.10	.05	1.00	
<u>Total All Gear</u>							
Total No.s	.005	1.793	.193	5.075	.682	7.748	1.00
Avg. Wt.	12.8	6.3	8.4	3.6	7.8	-	-
Total Lbs.	.059	11.261	1.621	18.287	5.334	36.561	1.00
Avg. \$/Lb.	\$1.25	\$1.65	\$1.00	\$0.32	\$0.40	-	-
Ex-Vessel \$	\$.074	\$18.581	\$1.621	\$5.852	\$2.134	\$28.262	1.00

<u>Kitoi Hatchery</u>							
Kitoi No.s	.000	> .001	> .001	.153	> .001	.154	-
Avg. Wt.	.000	5.3	6.8	2.7	5.4	-	-
Total Lbs.	.000	> .001	> .001	.411	.003	.415	-
Avg. \$/Lb.	\$1.25	\$1.65	\$1.00	\$0.32	\$0.40	-	-
Ex-Vessel \$	\$.000	\$> .001	\$> .001	\$.132	.001	\$.133	-

1/Numbers and pounds of fish are derived from fish ticket summaries. There were 13,294 fish tickets generated in 1987; each fish ticket represents a "landing". Each gear type had the following number of landings: Purse seine: 8,298, Beach seine: 256 and Set gillnet: 4,740. Average \$/lb. figures are derived from in-season average prices and do not reflect post-season settlements.

Appendix E.1. Historical salmon harvest by species and year, Kodiak Management Area, 1882-1987.^a

YEAR	CHINOOK	SOCKEYE	COHO	PINK	CHUM	TOTAL
1882	-	59,000	-	-	-	59,000
1883	-	189,000	-	-	-	189,000
1884	-	282,000	-	-	-	282,000
1885	-	469,000	-	-	-	469,000
1886	-	646,000	-	-	-	646,000
1887	-	1,005,000	-	-	-	1,005,000
1888	-	2,781,000	-	-	-	2,781,000
1889	-	3,755,000	-	-	-	3,755,000
1890	-	3,593,000	-	-	-	3,593,000
1891	-	3,846,000	-	-	-	3,846,000
1892	-	3,126,000	-	-	-	3,126,000
1893	-	3,245,000	-	-	-	3,245,000
1894	-	3,830,000	-	-	-	3,830,000
1895	-	2,247,000	8,000	-	-	2,255,000
1896	-	3,329,000	-	-	-	3,329,000
1897	-	2,786,000	2,000	-	-	2,788,000
1898	-	2,033,000	19,000	-	-	2,052,000
1899	1,000	1,935,000	32,000	-	-	1,968,000
1900	5,000	3,450,000	32,000	-	-	3,487,000
1901	4,000	4,826,000	-	2,000	-	4,832,000
1902	3,000	3,868,000	35,000	-	-	3,906,000
1903	1,000	1,826,000	120,000	10,000	-	1,957,000
1904	3,000	2,875,000	103,000	5,000	-	2,986,000
1905	2,000	2,142,000	87,000	-	-	2,231,000
1906	4,000	3,980,000	24,000	-	-	4,008,000
1907	4,000	4,232,000	38,000	-	-	4,274,000
1908	3,000	2,488,000	74,000	286,000	-	2,851,000
1909	4,000	1,915,000	52,000	154,000	-	2,125,000
1910	2,000	1,955,000	44,000	215,000	-	2,216,000
1911	1,000	2,686,000	22,000	230,000	6,000	2,945,000
1912	1,000	2,246,000	17,000	547,000	25,000	2,836,000
1913	1,000	1,663,000	28,000	590,000	4,000	2,286,000
1914	1,000	1,255,000	32,000	1,726,000	13,000	3,027,000
1915	1,000	1,664,000	52,000	252,000	20,000	1,989,000
1916	1,000	3,373,000	50,000	3,182,000	29,000	6,635,000
1917	1,000	3,646,000	30,000	225,000	16,000	3,918,000
1918	2,000	1,894,000	78,000	2,467,000	82,000	4,523,000
1919	2,000	1,619,000	104,000	283,000	60,000	2,068,000
1920	2,000	1,958,000	89,000	1,977,000	55,000	4,081,000
1921	1,000	2,858,000	46,000	68,000	25,000	2,998,000
1922	1,000	1,097,000	120,000	2,766,000	224,000	4,208,000
1923	2,000	1,090,000	78,000	929,000	39,000	2,138,000
1924	1,000	1,408,000	121,000	5,435,000	118,000	7,083,000
1925	2,000	1,693,000	93,000	2,674,000	212,000	4,674,000
1926	1,000	3,015,000	174,000	4,607,000	325,000	8,122,000
1927	4,000	1,155,000	152,000	5,297,000	418,000	7,026,000
1928	3,000	1,592,000	291,000	1,535,000	726,000	4,147,000
1929	3,000	712,000	144,000	6,108,000	1,058,000	8,025,000
1930	5,000	466,000	229,000	1,651,000	419,000	2,770,000
1931	2,000	1,183,000	170,000	6,840,000	184,000	8,379,000
1932	2,000	1,058,000	52,000	4,720,000	237,000	6,069,000

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YEAR	CHINOOK	SOCKEYE	COHO	PINK	CHUM	TOTAL
1933	1,000	1,428,000	91,000	6,574,000	537,000	8,631,000
1934	3,000	1,829,000	86,000	7,642,000	662,000	10,219,000
1935	2,000	1,614,000	63,000	10,781,000	382,000	12,842,000
1936	5,000	2,658,000	163,000	5,648,000	329,000	8,803,000
1937	2,000	1,882,000	134,000	16,788,000	346,000	19,152,000
1938	3,000	1,966,000	133,000	8,398,000	640,000	11,140,000
1939	4,000	1,786,000	64,000	11,741,000	641,000	14,236,000
1940	3,000	1,318,000	163,000	9,997,000	674,000	12,155,000
1941	5,000	1,730,000	208,000	7,601,000	445,000	9,989,000
1942	3,000	1,281,000	106,000	6,093,000	565,000	8,048,000
1943	2,000	1,991,000	61,000	12,480,000	454,000	14,988,000
1944	2,000	1,818,000	45,000	4,956,000	507,000	7,328,000
1945	4,000	2,041,000	79,000	9,045,000	559,000	11,728,000
1946	1,000	839,000	71,000	9,546,000	298,000	10,755,000
1947	1,000	994,000	72,000	8,857,000	295,000	10,219,000
1948	1,000	1,260,000	32,000	5,958,000	331,000	7,582,000
1949	1,000	892,000	54,000	4,928,000	700,000	6,575,000
1950	2,000	921,000	41,000	5,305,000	685,000	6,954,000
1951	2,000	470,000	48,000	2,006,000	422,000	2,948,000
1952	1,000	631,000	36,000	4,554,000	984,000	6,206,000
1953	3,000	392,000	39,000	4,948,000	490,000	5,872,000
1954	1,000	329,000	56,000	8,325,000	1,140,000	9,851,000
1955	2,000	164,000	35,000	10,794,000	480,000	11,475,000
1956	1,000	306,000	54,000	3,349,000	660,000	4,370,000
1957	1,000	234,000	35,000	4,691,000	1,152,000	6,113,000
1958	2,000	288,000	21,000	4,039,000	931,000	5,281,000
1959	2,000	330,000	15,000	1,800,000	734,000	2,881,000
1960	2,000	362,000	54,000	6,685,000	1,133,000	8,236,000
1961	1,000	408,000	29,000	3,296,000	519,000	4,883,000
1962	1,000	785,000	54,000	14,189,000	795,000	15,824,000
1963	-	407,000	57,000	5,480,000	305,000	6,249,000
1964	1,000	478,000	36,000	11,862,000	932,000	13,309,000
1965	1,000	346,000	27,000	2,887,000	431,000	3,692,000
1966	1,000	632,000	68,000	10,756,000	763,000	12,220,000
1967	1,000	284,000	10,000	188,000	221,000	704,000
1968	2,000	760,000	56,000	8,761,000	750,000	10,329,000
1969	2,000	604,000	35,000	12,493,000	537,000	13,671,000
1970	1,000	917,000	66,000	12,045,000	919,000	13,949,000
1971	1,000	478,000	23,000	4,333,000	1,541,000	6,378,000
1972	1,000	222,000	14,000	2,486,000	1,165,000	3,883,000
1973	1,000	167,000	4,000	512,000	318,000	1,001,000
1974	1,000	409,000	14,000	2,635,000	248,000	3,329,000
1975	-	137,000	25,000	2,945,000	85,000	3,187,000
1976	1,000	641,000	24,000	11,078,000	740,000	12,485,000
1977	1,000	623,000	28,000	6,252,000	1,072,000	7,977,000
1978	3,000	1,072,000	49,000	15,004,000	814,000	16,942,000
1979	2,000	632,000	141,000	11,287,000	358,000	12,420,000
1980	1,000	651,000	139,000	17,290,000	1,076,000	19,157,000
1981	1,000	1,289,000	122,000	10,337,000	1,345,000	13,094,000
1982	1,000	1,205,000	344,000	8,076,000	1,266,000	10,892,000
1983	4,000	1,232,000	158,000	4,603,000	1,085,000	7,082,000
1984	5,000	1,951,000	230,000	10,884,000	649,000	13,678,000

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YEAR	CHINOOK	SOCKEYE	COHO	PINK	CHUM	TOTAL
1985	5,000	1,843,000	284,000	7,335,000	431,000	9,898,000
1986	4,000	3,155,000	168,000	11,504,000	1,126,000	16,304,000
1987	5,000	1,793,000	192,000	5,073,000	682,000	7,747,000
Average All Years (40 years 1948-1987)						
	1,502	742,294	71,246	7,024,472	769,581	8,601,617
Odd Year (OY) (20 years 1949-1987)				5,309,400		
Even Year (EY) (20 years 1948-1986)				8,739,250		
Most Recent 10 years (1978-1987)						
	3,100	1,482,300	182,700	(EY) 12,551,600	883,200	(EY) 15,394,600
				(OY) 7,727,000		(OY) 10,048,200

^a DATA SOURCE: For the period 1882-1947, the harvest data was derived from "casepack" information supplied by commercial buyers and processors. For the period 1948 - present, the harvest data was derived from "fish ticket" information summarized by ADF&G.

Appendix E.2. Projected vs. actual harvest by species, Kodiak Management Area, 1983-1987.

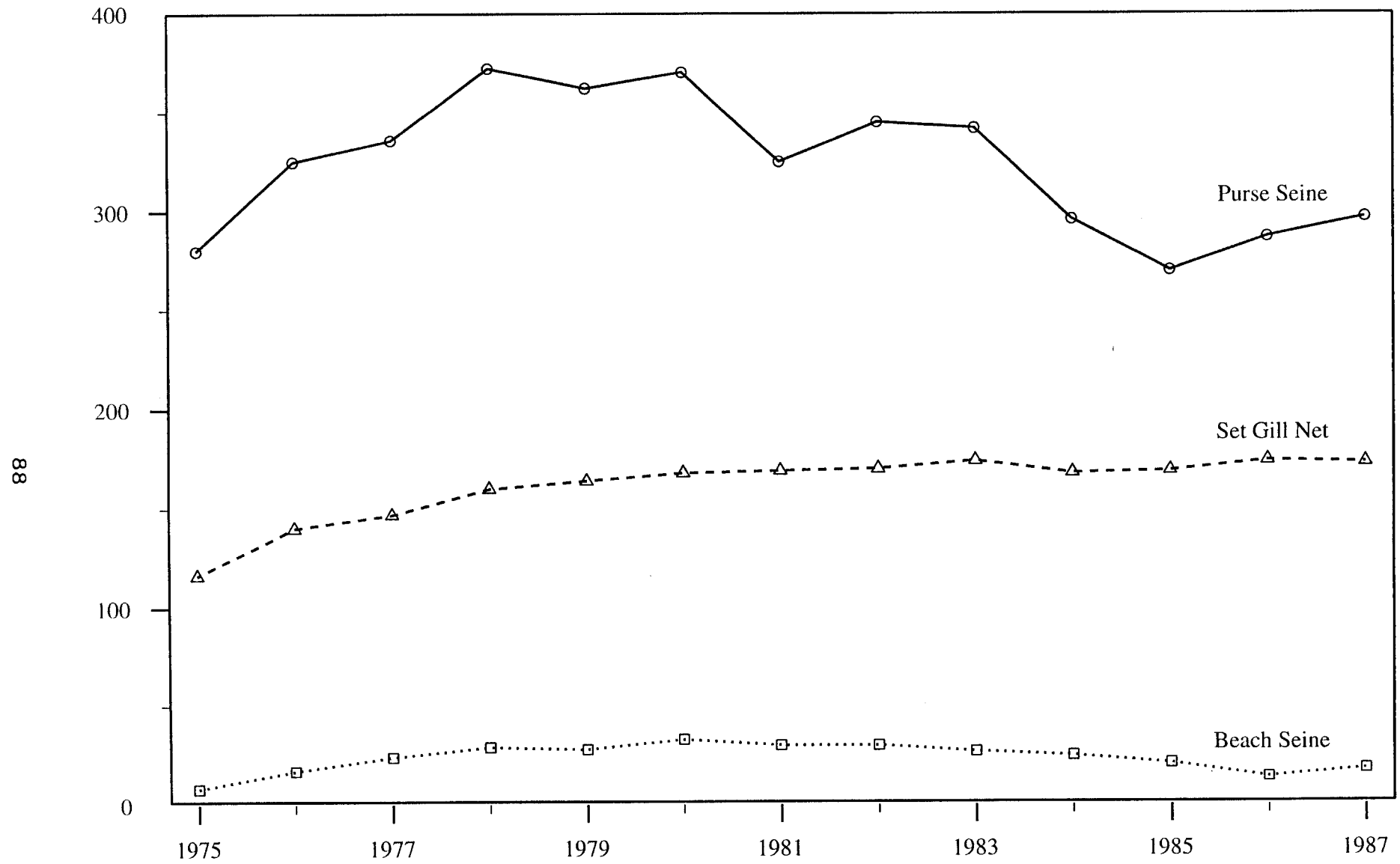
	Chinook		SCKEYE		COHO		PINKS		CHUMS		TOTAL	
	PROJ.	ACT.	PROJ.	ACT.	PROJ.	ACT.	PROJ.	ACT.	PROJ.	ACT.	PROJ.	ACT.
1983	1,500	3,839	1,000,000	1,232,000	150,000	157,600	12,000,000	4,603,400	1,100,000	1,085,200	14,251,500	7,082,000
1984	2,000	4,660	1,500,000	1,950,400	150,000	228,999	7,500,000	10,841,000	1,000,000	648,600	10,152,000	13,673,200
1985	4,000	4,970	1,300,000	1,842,800	125,000	283,000	4,640,000	7,334,800	750,000	430,700	6,809,000	9,896,500
1986	4,000	4,400	1,500,000	3,190,000	200,000	167,000	15,680,000	11,800,000	1,000,000	1,130,000	18,384,000	16,291,000
1987	3,000	4,600	1,500,000	1,790,000	125,000	192,000	5,800,000	5,070,000	900,000	682,000	8,328,000	7,738,600

Appendix E.3. Estimated salmon harvest and value by gear type in the Kodiak Management Area, 1970-1987.

Total Year	Total Catch ^a	Average Exvessel Value			
		Value ^b	Purse Seine	Beach Seine	Set Net
1970	13,949,206	\$21,658,000	\$41,880	\$10,470	\$21,083
1971	6,378,179	4,973,000	13,397	2,919	3,015
1972	3,883,197	3,909,000	9,233	647	1,451
1973	1,001,343	2,094,000	5,075	251	852
1974	3,329,427	4,808,000	15,993	4,406	4,828
1975	3,187,410	3,831,000	13,300	5,600	3,849
1976	12,484,451	16,976,000	43,017	11,035	14,481
1977	7,976,691	18,873,142	46,942	12,107	19,117
1978	16,942,215	30,357,179	70,685	14,772	22,711
1979	12,420,260	22,958,317	51,263	20,348	23,363
1980	19,157,249	27,410,296	62,363	23,385	21,215
1981	13,094,099	32,647,230	79,877	26,946	34,785
1982	10,891,952	18,803,822	39,309	11,038	28,889
1983	7,081,976	13,405,578	30,239	5,918	16,689
1984	13,678,005	25,948,012	71,550	12,341	26,552
1985	9,897,903	20,428,111	57,782	8,405	27,517
1986	16,304,165	38,723,877	92,696	11,885	68,700
1987	7,746,980	31,107,864	79,814	15,664	41,163
Average 1970-1979:					
	8,155,238	\$13,043,764	\$31,079	\$8,256	\$11,475
Average 1980-1987:					
	12,231,541	\$26,059,349	\$64,204	\$14,448	\$33,189

^a Includes total commercial harvest, test fisheries, and Kitoi Hatchery cost recovery fishery harvests. These figures are in number of fish.

^b 1970-1976 values are exvessel values based upon inseason prices. They may not include additional value associated with dock deliveries or postseason settlements. 1977-1987 are from Commercial Fisheries Entry Commission reports.



Appendix E.4. Number of active commercial salmon permits in the Kodiak Management Area, 1975 - 1987

Appendix E.5. Historical indexed pink salmon escapement by district, even year runs, Kodiak Management Area, 1968-1986^a.

Index Stream ^b	Stream Number	EVEN-CYCLE YEARS									
		1968	1970	1972	1974	1976	1978	1980	1982	1984	1986
Afognak District											
Malina	(251-105)	< 500	31,000	< 500	8,300	20,600	39,000	152,900	25,000	48,000	25,000
Paramanof	(251-404)	32,000	15,000	15,600	7,000	11,000	2,000	30,000	17,000	6,800	2,500
Little Waterfall ^c	(251-822)	500	2,000	< 500	< 500	5,000	< 1,000	13,700	47,500	40,000	48,400
Discoverer ^d	(251-830)	25,500	15,000	12,000	6,000	20,200	31,000	55,000	16,500	17,000	16,000
Seal Bay	(251-901)	15,000	7,300	6,000	2,100	5,500	13,100	50,000	8,700	< 500	< 500
Big Danger	(252-332)	70,000	45,000	20,600	15,700	33,500	17,000	11,000	20,400	5,000	5,500
Marker	(252-334)	72,000	120,000	31,000	38,000	51,000	62,000	76,000	91,000	12,100	36,000
Litnik ^e	(252-342)	6,000	25,000	29,000	15,800	60,800	48,300	21,000	15,200	30,500	68,000
Subtotal		221,000	260,000	114,200	92,900	207,600	212,400	409,600	241,300	159,400	201,400
N.W. Kodiak District											
Sheratin	(253-371)										
Baumans	(253-333)	5,000	7,000	1,300	4,000	2,100	6,300	18,500	4,400	21,000	2,800
Terror	(253-331)	40,000	40,000	25,000	69,000	46,000	33,500	108,000	39,000	80,000	180,000
Uganik	(253-122)	30,000	80,000	60,000	118,000	87,000	67,500	127,000	90,500	135,000	197,000
Little	(253-115)	60,000	75,000	14,000	16,000	26,000	33,000	122,000	92,000	100,000	72,000
Zachar	(254-301)	30,000	30,000	45,000	92,000	84,400	57,000	135,000	40,000	54,000	130,400
Browns	(254-204)	63,000	37,000	8,000	12,000	41,000	161,000	29,000	37,000	70,000	152,000
Uyak	(254-202)	90,000	69,000	34,000	13,200	31,200	66,000	80,500	40,000	66,000	54,000
Uyak	(254-203)	10,000	25,000	7,000	4,300	5,300	8,500	6,000	12,000	11,800	7,000
Subtotal		328,000	363,000	194,300	328,500	323,000	432,800	626,000	354,900	537,800	795,200
S.W. Kodiak District											
Karluk ^f	(255-101)	250,000	210,000	36,000	212,000	373,400	1,380,800	2,359,200	2,326,700	1,672,400	668,300
Sturgeon	(256-401)	100,000	48,000	13,000	13,000	31,000	100,000	60,000	15,000	10,000	14,000
Ayakulik ^g	(256-201)	500,000	800,000	100,300	612,000	708,600	1,000,000	857,600	721,100	631,100	560,200
Subtotal		850,000	1,058,000	149,300	837,000	1,113,000	2,480,800	3,276,800	3,063,500	1,313,500	1,242,500
Alitak District											
Narrows	(257-401)	3,500	3,000	< 500	3,300	7,500	< 500	12,000	< 500	2,700	< 500
Dog Salmon ^h	(257-403)	10,000	25,000	38,000	43,000	189,000	217,502	167,000	155,000	56,000	149,200
Deadman	(257-502)	16,000	65,000	44,000	58,000	86,000	73,000	52,000	120,000	59,000	54,000
Bumpy	(251-830)	180,00	110,000	45,000	72,000	240,000	290,000	260,000	160,000	95,000	118,000
Subtotal		209,500	203,000	127,000	176,300	522,500	580,502	491,000	435,000	212,700	321,200

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Index	Stream ^b	Stream Number	EVEN-CYCLE YEARS								
			1968	1970	1972	1974	1976	1978	1980	1982	1984
Eastside Kodiak District											
7-Rivers	(258-701)	100,000	100,000	12,000	27,500	71,000	104,000	117,500	53,000	71,900	78,000
Kaiugnak	(258-542)	10,000	29,000	7,000	2,100	35,400	14,000	21,000	7,200	4,600	6,600
Barling	(258-522)	30,000	48,000	13,000	33,600	36,700	49,000	55,000	38,000	38,000	51,000
Kiliuda	(258-207)	27,000	8,000	15,000	24,400	26,000	22,800	39,000	20,000	2,000	2,800
Saltery ⁱ	(259-415)	12,000	15,000	19,000	17,000	38,000	30,000	50,000	30,500	33,500	22,300
Miam	(259-412)	60,000	57,000	20,000	55,000	19,000	18,400	16,000	20,000	22,300	19,000
Hurst	(259-414)	41,000	16,000	7,000	53,000	61,000	29,000	10,000	5,000	1,000	9,00
Subtotal		280,000	273,000	113,000	212,600	287,100	267,200	308,500	173,700	173,300	188,700
N.E. Kodiak District											
Sid Olds	(259-242)	75,000	63,000	17,000	36,000	32,200	65,000	67,700	62,500	36,500	52,000
American	(259-231)	20,600	84,000	48,000	30,850	33,000	28,900	50,000	37,000	31,200	21,000
Buskin ^j	(259-211)	42,000	44,300	26,400	45,800	52,000	81,000	95,100	120,000	100,000	99,000
Subtotal		137,600	191,300	91,400	112,650	117,200	174,900	212,700	219,500	167,700	172,000
Mainland District											
Big River	(262-152)	13,000	30,000	4,000	8,000	4,000	5,000	8,300	25,000	20,000	30,000
Village	(262-153)	< 500	5,000	< 500	1,800	3,500	15,000	20,500	45,000	32,000	21,000
Cape Chiniak	(262-205)	< 500	< 500	< 500	< 500	800	< 500	< 500	< 500	< 500	22,000
Big Hallo	(262-203)	< 500	500	< 500	< 500	< 500	< 500	< 500	5,500	22,000	1,500
Kukak	(262-271)	1,000	< 500	< 500	3,000	< 500	< 500	2,000	500	3,000	7,000
Missak	(262-402)	5,000	1,000	< 500	< 500	< 500	4,000	9,000	1,000	1,000	14,500
Kinak	(262-451)	< 500	2,500	< 500	500	< 500	47,500	85,000	82,000	90,000	5,000
Geographic	(262-501)	< 500	500	< 500	< 500	7,500	2,400	11,000	7,000	6,000	6,500
Dakavak	(262-551)	10,000	12,000	3,000	9,000	2,100	21,300	80,400	32,000	103,000	45,000
Kashvik	(262-604)	29,000	30,000	9,000	7,500	< 500	11,000	36,000	90,000	35,000	108,000
Big Alinchak	(262-651)	6,000	10,000	6,000	4,500	5,000	11,000	22,000	10,000	42,000	52,000
Portage	(262-702)	10,000	20,000	1,000	2,400	3,500	1,400	75,000	25,000	8,000	16,000
Oil	(262-751)	3,500	16,000	< 500	600	600	< 500	50,000	35,000	14,000	18,000
Jute	(262-801)	2,000	5,000	< 500	< 500	< 500	< 500	7,500	< 500	< 500	1,000
Kanatak	(262-802)	10,000	15,000	< 500	2,000	2,000	20,000	2,000	30,000	5,500	16,400
Big Creek	(262-851)	40,000	34,000	24,000	21,000	60,000	40,000	32,000	45,000	48,500	214,200
Subtotal		129,500	181,500	47,000	60,300	89,000	178,600	440,700	433,000	430,000	578,100

- Footnotes Continued On Next Page -

- ^a Individual escapement figures represent peak escapement counts obtained from aerial surveys, except that those figures footnoted below represent total actual counts obtained from fish-weir counts. The peak aerial counts are "raw" or unweighted observations, i.e. they do not represent counts either adjusted for observer variance or expanded into estimated total counts.
- ^b The index streams listed in this table represent the set of streams which are sampled to develop Kodiak's annual pink salmon forecast and also the set of streams whose in-season progressive escapement is used to manage Kodiak's commercial salmon fishery.
- ^c Little Waterfall Creek Data: Pre-1981: 1982 to present weir counts and/or foot surveys.
- ^d Discoverer Creek Data: Pre-1988 aerial surveys; 1988 to present weir counts.
- ^e Litnik River Data: Pre-1986 aerial surveys; 1986 to present weir counts.
- ^f Karluk River Data: Pre-1976 aerial surveys; 1976 to present weir counts.
- ^g Ayakulik River Data: Pre-1970 aerial surveys; 1970 to present weir counts.
- ^h Dog Salmon River Data: Pre-1983 aerial surveys; 1983 to present weir counts.
- ⁱ Sallery River Data: 1968-1988 aerial surveys.
- ^j Buskin River Data: Pre-1985 aerial surveys; 1985 to present weir counts plus aerial counts below weir.

Appendix F.1. Aerial salmon escapement surveys for the Kodiak Management Area, 1986.

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
MALINA RIVER												
251-105	8-28-1986	PROKOPOWICH	g	g	g	0	0	2500	0		300Co	Pinks in lagoon. Coho by S. marker.
MALKA BAY												
251-201	8-18-1986	MANTHEY	e	e	e	0	0	8	0		1400P	Low water in stream.
251-201	8-21-1986	MANTHEY	e	e	e	0	0	200	0		2000P	All carcasses. Heavy bear mortality.
MALINA BAY												
251-202	7-28-1986	MANTHEY	e	e	e	0	0	0	0		3000P	3 schools in bay.
251-202	8-21-1986	MANTHEY	f	f	f	0	0	2500	0		600P	Tree canopy.
LONG LAGOON												
251-301	8-19-1986	MALLOY	f	f	f	0	0	0	0		2000Co 2000P 1000Ch	8 jumpers in lagoon. Fish schooled outside east marker. Some traveling fish on west marker.
THORSHEIM CREEK												
251-302	8- 4-1986	MALLOY			g	0	0	0	0			No creek survey.
251-302	8-11-1986	MANTHEY				0	0	300	0			Two seiners.
251-302	8-19-1986	MALLOY	p	p	p	2200	0	0	0	100P	23000P	Fish heavily schooled on markers. Sockeye in lake balled off main tributary. West shore has fair amount of lake shore spawning.
SOUTH ARM CREEK												
251-403	7-28-1986	MANTHEY	e	e	e	0	0	0	0	2000P		
251-403	8-11-1986	MANTHEY				0	0	1500	0			Could have missed fish due to shadows.
EAST ARM CREEK												
251-404	7-28-1986	MANTHEY	e	e	e	0	0	500	0	3000P		High tide.
251-404	8- 4-1986	MALLOY	g	g	g	0	0	1300	0	3000P	15000P	Bay fish getting dark.
251-404	8-11-1986	MANTHEY				0	0	2500	0		500P	Good spawning. Good water flow.
251-404	8-21-1986	MANTHEY	f	f	f	0	0	2000	0		1500P	Spawnouts and carcasses in upper 1/2 of stream. Tree canopy.
OLD CABIN CREEK												
251-405	8-21-1986	MANTHEY	p	p	p	0	0	0	0			Alder choked and falls.
BLUEFOX CREEK												
251-502	8-21-1986	MANTHEY	p	p	p	0	0	2	0		350P	Spruce cover.
ESTER LAGOON CREEK												
251-503	8-21-1986	MANTHEY	p	p	p	0	0	0	0	300P	2100P	Spruce cover.
S.W. REDFOX CREEK												
251-504	8-21-1986	MANTHEY	p	p	p	0	0	0	0	2000P	700P	Spruce cover.

-Continued-

Appendix F.1. (page 2 of 23)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
S.E. REDFOX CREEK 251-505	8-21-1986	MANTHEY	p	p	p	0	0	0	0	7000P		Low stream flow.
BIG WATERFALL 251-821	8-21-1986	MANTHEY	f	f	f	0	0	2000	0	7500P		
LITTLE WATERFALL 251-822	8-21-1986	MANTHEY	e		e	0	0	0	0	25000P		No stream survey.
DELPHIN ISLAND 251-823	8-21-1986	MANTHEY	f	f	f	0	0	0	0	200P		Tree cover.
DELPHIN BAY 251-824	8-21-1986	MANTHEY				0	0	0	0			Tree cover.
PORTAGE CREEK 251-825	8-21-1986	MANTHEY	e	e	e	0	0	16000	0	200Co 3500P		
DISCOVERY BAY CREEK 251-826	8-21-1986	MANTHEY	e	e	e	0	0	0	0			
BEAN CREEK 251-827	8-21-1986	MANTHEY				0	0	0	0	500Co 1000P		Perhaps 1,200 coho and pinks off of Paul's Bay.
ELK CREEK 251-829	8-21-1986	MANTHEY	e	e	e	0	0	0	0			
SEAL BAY CREEK 251-901	8-21-1986	MANTHEY	e	e	e	0	0	400	0	3000P	6500P	Low water.
SOUTH CREEK 251-902	8-21-1986	MANTHEY	e	e	e	0	0	0	0	50Co 400P		
LONG TONKI 252-101	8-21-1986	MANTHEY	e	e	e	0	0	1800	0	100P		
SHORT TONKI 252-102	8-21-1986	MANTHEY	e	e	e	0	0	3000	0	1500P	200Co	
BIG DANGER 252-332	8- 4-1986	MALLOY	g	g	g	0	0	750	0	2000P		700 below forks; 50 in west fork.
252-332	9- 5-1986	PROKOPOWICH	f	f	f	0	0	5500	0	450Co		
ABOGINAY RIVER 252-342	9-27-1986					48331	3545	67954	6			Weir count. 34 steelhead upstream. 134 steelhead kelts.
MARKA BAY 252-343	7-23-1986	MANTHEY	e	e	e	0	0	0	0	1000P		

-Continued-

Appendix F.1. (page 3 of 23)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
252-343	7-28-1986	MANTHEY				0	0	500	0		600P	
252-343	8- 6-1986	MANTHEY	g	g	g	0	0	4500	500		2000P	3 schools in bay.
252-343	8-19-1986	MALLOY	g	g	g	0	0	36000	200	7000P		Lower 1/3 looks excellent, middle is good, upper 1/3 light.
252-343	9- 5-1986	PROKOPOWICH	g	g	g	0	0	0	0			No fish seen.
252-521	9-17-1986	MALLOY	e	e	e	0	6300	3400	1100			Stream looks excellent for fish and water flow. Two skiffs with net getting subsistence fish 1/4 mile up creek.
LITTLE RIVER												
253-115	7-14-1986	MANTHEY	g	g	g	9000	0	0	0			
253-115	7-24-1986	MANTHEY	g	g	g	0	0	20000	0			Most fish in first 1-1/2 miles of stream and lagoon.
253-115	7-27-1986	MALLOY	f	f	f	5000	0	0	0			3,400 reds off tributaries, 1,500 at lake outlet.
253-115	8- 5-1986	BRENNAN	p	p	p	0	0	500	0	1000P		
253-115	8- 6-1986	MANTHEY	g	g	g	0	0	72000	0		500P	20,000 pinks in lagoon and first 1/4 mile.
253-115	9-11-1986	PROKOPOWICH	g	g	g	0	0	0	0			Only pinks and dollies in lagoon. Nothing seen at lake outlet.
UGANIK RIVER												
253-122	7-14-1986	MANTHEY	e	e	e	14000	0	500	250		3000P	9,000 reds at upper end of lake; 7,000 at outlet. Bay fish in closed waters below Packer Spit.
253-122	7-21-1986	MANTHEY	e	e	e	11000	0	11000	0		33000P	Reds in lake. Bay pinks between mouth and Packer's Spit.
253-122	7-27-1986	MALLOY	e	e	e	45000	0	49000	0		200000P	Reds off tributaries and in lake. 22,000 pinks above sampling area; 27,000 in sampling area. 17 balls of herring (= 15 tons) in bay.
253-122	7-28-1986	MANTHEY	e	e	e	21000	0	0	0			Lots of pinks at lake outlet and stretch below outlet.
253-122	8- 5-1986	BRENNAN	f	f	f	0	0	0	0	90000P		Many thousand in bay. Fish all the way up to the lake.
253-122	8-14-1986	MANTHEY	g	g	p	0	0	197000	0			No survey in bay or mouth. Could be 300,000 pinks as dark schools in pools are very large and deep.
253-122	10- 6-1986	MANTHEY	g	g	g	0	5400	0	0			Nothing in lake. Fish fairly bright. Nothing in upper river yet.
VIEKODA CREEK												
253-321	8- 4-1986	MALLOY	f	g	g	0	0	800	0	200P	100P	Good show for this system.
253-321	8- 6-1986	MANTHEY	f	f	f	0	0	200	0	600P	200P	

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Appendix F.1. (page 4 of 23)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
TERROR RIVER												
253-331	7-14-1986	MANTHEY	e	e	e	0	0	2100	0			5 small schools in bay, 20-100 fish each.
253-331	7-21-1986	MANTHEY	e	e	e	0	0	4500	500	35000P		Pinks on south shore at head of bay.
253-331	7-27-1986	MALLOY	g	g	e	0	0	8500	0	100000P		Heavy buildup on flats. Bright fish. 26 small schools, x 2,000 and 2 large 50-60,000.
253-331	8- 4-1986	MANTHEY				0	0	45000	5000	40000P		
253-331	8- 5-1986	BRENNAN	p		g	0	0	0	0	50000P	50000P	Water high and murky.
253-331	8-20-1986	MANTHEY	e	e	e	0	0	180000	10000	4000P	8000P	Excellent distribution all the way to falls. Best seen in upper reaches.
BAUMANN'S												
253-332	7-21-1986	MANTHEY	g	g	g	0	0	0	0	500P		
253-332	7-27-1986	MALLOY	g	g	g	0	0	50	0	2500P		Pinks in one ball in intertidal hole.
253-332	8- 4-1986	MANTHEY				0	0	1200	0			
253-332	8- 5-1986	BRENNAN	p		f	0	0	400	0	6000P		
253-332	8- 6-1986	MANTHEY	g	g	g	0	0	2800	0	500P	2000P	
CLARA'S CREEK												
253-333	8- 5-1986	BRENNAN	g	g	g	0	0	300	0			
7-MILE BEACH												
254-103	8-20-1986	MANTHEY	e	e	e	0	0	10	0	1200P	2000P	Log dam on creek. Some fish above.
UYAK 201 CREEK												
254-201	7-27-1986	MALLOY	g	g	g	0	0	0	0	8000P		Good water flow.
254-201	8-11-1986	MALLOY	f	f	f	0	0	250	0			Good water flow.
UYAK RIVER												
254-202	7-21-1986	MANTHEY				0	0	0	0	11000P		7,000 pinks in Nellie's Cove. 4,000 at head of bay.
254-202	7-24-1986	MANTHEY	g	g	g	0	0	4500	0	10000P		
254-202	7-27-1986	MALLOY	e	e	e	0	0	4500	0	12000P		Good water flow. 200 ton forage fish in bay.
254-202	8- 2-1986	MANTHEY	f	f	f	0	0	54000	0			Intertidal looks good. Light upstream.
254-202	8- 5-1986	BRENNAN	g	g	p	0	0	11000	0			No estimate for bay.
254-202	8-11-1986	MALLOY	g	g	p	0	0	11000	0			No jumpers. Looks poor.
254-202	8-16-1986	MALLOY	e	e	e	0	0	17500	0	6000P		Good water flow.
BROWN'S LAGOON												
254-204	7-21-1986	MANTHEY	e	e	e	0	0	40000	0			

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Appendix F.1. (page 5 of 23)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
254-204	7-27-1986	MALLOY	g	g	g	0	0	54000	0		4000P	Fish to falls. Heaviest from uppermost riffle to falls. Index area looks good.
254-204	8- 5-1986	BRENNAN	g	g	g	0	0	45000	0	25000P	25000P	
254-204	8- 6-1986	MANTHEY	g	g	g	0	0	130000	0	10000P		Lots of pinks in bay.
254-204	8-16-1986	MALLOY	e	e	e	0	0	152000	0	50000P		Peak of spawning for early escapement late fish still in low pools. Most plugged I've ever seen.
LARSEN BAY CREEK												
254-213	7-14-1986	MANTHEY				0	0	0	0			Nothing seen. Low tide.
ZACHAR RIVER												
254-301	7-14-1986	MANTHEY				0	0	0	6000			5,000 dollies in bay. Most fish below canyon.
254-301	7-21-1986	MANTHEY	e	e	e	0	0	6000	9000			
254-301	7-27-1986	MALLOY	g	g	g	0	0	10000	4000		55000P	80% in sampling area. No survey on upper 1/3 of stream.
254-301	8- 5-1986	BRENNAN	p	p	p	0	0	0	0			Fish balled in pools. No estimate.
254-301	8- 6-1986	MANTHEY	g	g	g	0	0	77000	5000			17,000 Dollies in bay. 57,000 pinks below canyon.
254-301	8-16-1986	MALLOY	f			0	0	34000	6000			No survey in upper 1/2 river.
254-301	8-20-1986	MANTHEY	e	e	e	0	0	130000	15600			Coho jumpers in bay.
254-301	10- 6-1986	MANTHEY	g	g	g	0	1300	0	0			Fish very dark.
SPIRIDON RIVER												
254-401	7-21-1986	MANTHEY	e	e	e	0	0	0	6000			
254-401	8- 6-1986	MALLOY	e	e	e	0	0	0	0			No stream survey.
254-401	8-20-1986	MANTHEY	e	e	e	0	0	44000	67000		67000Ch	Excellent spawning in lower 2 miles of river. Good above that.
254-401	10- 6-1986	MANTHEY	g	g	g	0	6300	0	0			Nothing in lower 1/3.
CHIEF COVE												
254-404	7-14-1986	MANTHEY				0	0	0	0			Nothing seen.
KARLUK RIVER												
255-101	6-15-1986	MANTHEY	f	f	f	0	0	0	0	25000R		Reds in lagoon. Not too fishy.
255-101	6-16-1986	PROKOPOWICH	p	p	p	0	0	0	0	6000R	2500R	Reds in lagoon and off entrance.
255-101	7-27-1986	MANTHEY	e	e	e	0	0	0	0	150000P		Estimate probably liberal.
255-101	8- 5-1986	BRENNAN	p	p	p	0	0	0	0			Too dark for estimate.
255-101	8- 6-1986	MALLOY	g	g	g	0	0	80000	0	10000P	15000P	Bay fish in 3 huge balls, 10 jumpers and one in lagoon.

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Appendix F.1. (page 6 of 23)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
255-101	8-19-1986	MALLOY				0	0	0	0	40000R		Tremendous amount of jumpers on outside beach.
255-101	8-20-1986	MANTHEY				0	0	200000	0	120000P		Jumpers for 2 miles along outside beach.
255-101	8-28-1986	PROKOPOWICH	f	f	f	76000	0	0	0	20000R		Jumpers from mouth to waterfall along shore to 1/2 mile offshore.
255-101	9- 5-1986	PROKOPOWICH	g	g	g	90000	0	0	0			Still good show in lagoon.
255-101	9-11-1986	PROKOPOWICH	g	g	g	0	0	0	0	21000R 4000Ch		Fish in lagoon. One jumper off mouth.
255-101	10- 2-1986					887171	22836	668298	109			Weir count.
RED RIVER												
256-201	8-16-1986	MANTHEY	g	g	g	0	0	0	0		250000P	Most fish I've ever seen on the outside.
256-201	8-30-1986					318135	12215	668298	109			Weir counts. Includes estimates for fish below weir when closed.
CARAMEL CREEK												
256-301	9-11-1986	PROKOPOWICH	g	g		0	0	1500	0			No coho seen.
HALIBUT BAY												
256-302	9-11-1986	PROKOPOWICH	g	g	g	0	30	0	0			Fish in lagoon. No count.
GRANT'S LAGOON CREEK												
256-303	9-11-1986	PROKOPOWICH	g	g	g	0	0	0	0			Nothing seen.
STURGEON RIVER												
256-401	7- 1-1986	MANTHEY	g	g	g	0	0	0	33000	55000Ch		20,000 in lower river, 11,000 in remainder.
256-401	7-14-1986	MANTHEY				0	0	0	92000	12000Ch		Fish in schools all the way to the end of both forks, less than 1% spawning.
256-401	7-28-1986	MANTHEY	e	e	e	0	0	2000	0	2000P		
256-401	8- 6-1986	MALLOY				0	0	4500	0	20000P	2000P	Bay fish in small schools along outside beach. Lagoon fish in lower end of lagoon.
256-401	8-20-1986	MANTHEY	e	e	e	0	0	14000	2000	50Co		Coho in lagoon. Fish 50% dark, 50% fairly bright.
256-401	9-11-1986	PROKOPOWICH	g	g	g	0	0	0	0	200Co		
EAST STURGEON RIVER												
256-402	7-27-1986	MANTHEY	e	e	e	0	0	0	0			
256-402	8-20-1986	MANTHEY	e	e	e	0	0	13000	0			Fish spawning, but no carcasses.
HIG SUKHOI												
257-102	7-30-1986	MANTHEY	f	f	f	0	0	0	14000	1000Ch		
AKALURA CREEK												
257-402	7-14-1986	MANTHEY	f	f	f	1820	0	0	0	50R		Reds off lake inlet streams.
257-402	9- 6-1986					9485	1371	9592	500	100R		Mouth fish in lagoon. Estimated total red run (late run) 9,500. Coho escapement 2,100.

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Appendix F.1. (page 7 of 23)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
UPPER STATION												
257-304	6-15-1986	MANTHEY				0	0	0	0	500R	1500R	9 schools herring - 219 tons total in Upper Olga.
257-304	7-21-1986	MANTHEY				0	0	0	0	4500R		Fish in lagoon. 280 tons herring in Upper bay (4 schools).
257-304	7-24-1986	MANTHEY				2000	0	0	0	500R	350R	
257-304	7-30-1986	MANTHEY	g	g	g	0	0	0	0	3000R	7000R	
257-304	8-12-1986	MALLOY	g	g	g	0	0	0	0			No stream count. 18 jumpers from Stockholm Point to creek mouth - excellent sign. 10 jumpers off mouth, 5 jumpers in lagoon, 9 jumpers from mouth to Stormy Point, 2 jumpers from Stormy Point to Omlids. Heaviest sign I've ever seen in Olga Bay.
257-304	9- 6-1986					466385	2469	1422	0			Weir count. Additional 1,700 reds; 500 coho in river after weir pulled.
NARROWS CREEK												
257-401	8-16-1986	MALLOY	g	g	g	0	0	300	0	6000P	2000P	Pinks almost in mouth. Heavy strings of fish.
HORSE MARINE												
257-402	7-14-1986	MANTHEY				2000	0	0	0	3500R		Reds in lagoon and lake.
257-402	8-16-1986	MALLOY	g	g	g	750	0	12000	0			Pinks almost all in lagoon. Reds of lake tributaries.
DOG SALMON												
257-403	6-16-1986	PROKOPOWICH	p	p	p	0	0	0	0		20500R	Breakdown: Horse Marine to Iversons 12,000, Flats 5,000; Mouth to Omlid's Spit 3,500. Actual total could be as high as 60,000.
257-403	6-19-1986	MANTHEY	f	f	f	0	0	0	0		87000R	Breakdown: Flats 11,000; Barker's to Omlid's 6,000; Iverson's 40,000; Iverson's to Horse Marine 25,000; Burkholder's to Grove's 5,000.
257-403	6-21-1986	MANTHEY	f	f	f	25000	0	0	0		71000R	Breakdown: Iverson's bight 40,000; Flats 25,000; West fork 14,000; East fork 11,000; Barker's to Omlid's 2,000; Horse Marine 4,000.
257-403	6-22-1986	MANTHEY	f	f	f	49000	0	0	0	15000R	2000R	Breakdown: 40,000 west fork; 9,000 east fork; 15,000 on flats; 1,000 Iversons; 1,000 Barker's to Omlid's.
257-403	7- 1-1986	MANTHEY	p	p	p	25000	0	0	0		27000R	Breakdown: Horse Marine 0, Omlid's to Barker's 2,000; 15,000 west fork; east fork 10,000; flats 20,000; Iverson's bight 5,000.
257-403	7- 3-1986	MALLOY	p	p	p	4000	0	0	0		32000R 10000Ch	Heaviest concentration of reds in Iverson's bight, between Barker's and west fork; especially between Omlid's and Barkers.
257-403	7- 9-1986	MANTHEY	p	p	p	0	0	0	0			Not more than 20,000 in bay.

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Appendix F.1. (page 8 of 23)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
257-403	7-14-1986	MANTHEY	p	p	p	4100	0	0	2000		1000R 4100Ch	Breakdown: Horse Marine 0; Omlid's to Barker's 0; West Fork 1,100; East fork 3,000 reds; 2,000 dogs; Iverson's 100 chums.
257-403	7-30-1986	MANTHEY	g	g	g	0	0	0	0		1000R	Fish mixed. Major herring spawn on flats inn front of stream, Omlid's site, Burkholder's site, north end of narrows. Only 4 schools showing. 75 tons total.
257-403	8-12-1986	MALLOY	p	p	p	0	0	0	0			Nothing seen. Very windy.
257-403	8-14-1986	MANTHEY	f	f	p	0	0	0	0	14000P		3,000 pinks below east fork weir; 11,000 below west weir. Little sign in bay.
257-403	8-16-1986	MALLOY	e	e	e	0	0	34000	0		115000P	Stream count below weir. 28,00 in west fork. Bay: 18,000 from Mullen's to Guthrie's; 20,000 from Guthrie's to Horse Marine; 35,000 from Iverson's to Horse Marine; 32,000 from west fork to Omlid's. 30,000 in east fork; 5,000 in west fork.
257-403	8-16-1986	MANTHEY	g	g	g	0	0	35000	0		120000P	
257-403	9- 6-1986					136553	5394	149194	9134			Weir count. An additional estimated 14,000 pinks spawning below weir.
DEADMAN RIVER												
257-502	7-21-1986	MANTHEY	e	e	e	0	0	7000	0		9000P	200 tons capelin in bay.
257-502	7-27-1986	MALLOY	e	e	e	0	0	4500	1100		7000P	All pinks in sampling fork. Chums in other fork. 60 ton forage fish in bay.
257-502	8- 2-1986	MANTHEY	f	f	f	0	1000	48000	1000			
257-502	8- 4-1986	MANTHEY	f	f	f	0	0	11000	1000		3000P	
257-502	8-11-1986	MALLOY				0	0	17000	200		9000P	6 schools in bay. No traveling fish on beaches.
257-502	8-14-1986	MANTHEY	f	f	f	0	0	54000	0	2000P		No survey in bay.
257-502	8-16-1986	MALLOY	e	e	e	0	0	24000	700		43000P	Bay fish: 31,000 on north shore; 12,000 on south shore.
ALPINE COVE CREEK												
257-503	7-21-1986	MANTHEY				0	0	100	0		2000P	
257-503	8- 2-1986	MANTHEY	e	e	e	0	0	500	300			
257-503	8-11-1986	MALLOY				0	0	300	0			Good water flow.
257-503	8-11-1986	MALLOY				0	0	300	0			Good water flow.
257-503	8-16-1986	MALLOY	e	e	e	0	0	650	0		500P	
SULDA CHUM CREEK												
257-603	7-27-1986	MALLOY	e	e	e	0	0	100	20			Fair water flow.
257-603	8-11-1986	MALLOY	e	e	e	0	0	3900	600			Excellent water flow.

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Appendix F.1. (page 9 of 23)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
HUMPY RIVER												
257-701	7-21-1986	MANTHEY				0	0	0	0		24000P	4,000 pinks in bay, 20,000 bright pinks along beach inside closed waters.
257-701	7-27-1986	MALLOY	g	g	g	0	0	47000	0		6000P	32,000 above canyon, rest in lower canyon and index area.
257-701	7-30-1986	MANTHEY	f	f	f	0	0	56000	0			Nine seiners fishing.
257-701	8- 4-1986	MANTHEY	f	f	f	0	0	80000	0			Nothing showing off mouth.
257-701	8-11-1986	MALLOY	e	e	e	0	0	118000	0	7000P		
257-701	8-12-1986	MALLOY	f	f	p	0	0	0	0			No jumpers.
SEABORG BAY CREEK												
257-703	8-12-1986	MALLOY	g	g	p	0	0	10	0			No jumpers.
BOULDER BAY												
258-101	8-16-1986	MALLOY	e	e	e	0	0	25	0			Water flow fairly good.
258-101	9-11-1986	MANTHEY	e	e	e	0	0	900	0			
KILIUDA BAY												
258-20	7-30-1986	MANTHEY	g	g	g	0	0	0	0		200Ch	
SANTA FLAVIA												
258-201	9-11-1986	MANTHEY	e	e	e	0	0	0	0			
SHEARWATER BAY CREEK												
258-202	7-27-1986	MALLOY	g	g	g	0	0	0	0			Low water.
258-202	8-11-1986	MALLOY	g	g	g	0	0	0	0			Fair stream flow.
258-202	9-11-1986	MANTHEY	e	e	e	0	0	0	0			
PORT OTTER CREEK												
258-203	9-11-1986	MANTHEY	e	e	e	0	600	0	5000			
DOG BAY CREEK												
258-204	7-27-1986	MALLOY	e	e	e	0	0	0	0			Fair water flow.
258-204	7-30-1986	MANTHEY	f	f	f	0	0	0	0			2 jumpers in bay.
258-204	8- 2-1986	MANTHEY	f	f	f	0	0	200	2800			
COXCOMB POINT CREEK												
258-205	7-27-1986	MALLOY	e	e	e	0	0	0	0			Fairly good water flow.
258-205	8- 2-1986	MANTHEY	f	f	f	0	0	0	900			Looks light. No sign in bay.
N. KILIUDA CREEK												
258-206	7-24-1986	MANTHEY	g	g	g	0	0	0	0		19000Ch	Nothing seen in creek. 16,000 chum between Rocky's cabin to Dog Bay; 3,000 chum along south shore.
258-206	7-30-1986	MANTHEY	f	f	f	0	0	0	1800			

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Appendix F.1. (page 10 of 23)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
258-206	8- 4-1986	MANTHEY	p	p	p	0	0	0	0			No counts. Lots of chums inside markers.
W. KILIUDA CREEK												
258-207	7-24-1986	MANTHEY	g	g	g	0	0	0	200			
258-207	7-27-1986	MALLOY	g	g	g	0	0	2800	400			5,000+ chum near R. Morgan's camp.
258-207	7-30-1986	MANTHEY	f	f	f	0	0	0	1400			8,000 chum, 2,000 pinks along south shore.
AMEE BAY CREEK												
258-301	9-11-1986	MANTHEY	e	e	e	0	0	200	4300			
MCCORD BEACH												
258-302	9-11-1986	MANTHEY	e	e	e	0	0	300	1200			
LEFT CAPE CREEK												
258-303	8-16-1986	MALLOY	e	e	e	0	0	0	0			Nothing seen.
258-303	9-11-1986	MANTHEY	e	e	e	0	0	0	0			
GHOST ROCKS CREEK												
258-304	8-16-1986	MALLOY	e	e	e	0	0	200	0			Two schools along beach - 1 dark @ 500 and 1 bright @ 1,200. Good waterflow.
258-304	9-11-1986	MANTHEY	e	e	e	0	0	2300	0			
NUT ISLAND CREEK												
258-305	8-16-1986	MALLOY	g	g	g	0	0	0	0	50P		
258-305	9-11-1986	MANTHEY	e	e	e	0	0	60	0			
BUSH POINT CREEK												
258-306	9-11-1986	MANTHEY	e	e	e	0	0	0	0			
OCEAN BEACH												
258-401	7- 9-1986	MANTHEY				0	0	0	0			
258-401	7-14-1986	MANTHEY	g	g	g	100	0	0	0			Reds in lake. Should be more.
258-401	8- 2-1986	MANTHEY	f	f	f	0	8500	0	0			
WEDGE CREEK												
258 402	8- 2-1986	MANTHEY	f	f	f	0	0	2700	20		50P	
ROLLING BAY												
258 511	8- 2-1986	MANTHEY	g	g	g	0	7400	20000	4000			Might be more coho and less pinks and chums. Very mixed on lower end. Some spawnouts.
NATALIA BAY												
258 512	9-11-1986	MANTHEY	e	e	e	0	0	500	4500	40Co 200Ch		
NEWMAN BAY												
258 513	9-11-1986	MANTHEY	e	e	e	0	200	1000	4000	100Co	100Co	

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Appendix F.1. (page 11 of 23)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
NATALIA CABIN CREEK 258-514	9-11-1986	MANTHEY	e	e	e	0	0	60	2			
DRY CREEK 258-515	9-11-1986	MANTHEY	e	e	e	0	0	50	20	20Co		
MIDWAY CREEK 258-521	8-16-1986	MALLOY	e	e	e	0	0	37000	400			Water flow excellent. Appears to be close to peak of spawning.
258-521	9-11-1986	MANTHEY				0	12000	40000	12000			Two skiffs subsistence fishing.
BARLING CREEK 258-522	7-24-1986	MANTHEY	g	g	g	0	0	1000	500	400Ch		No pinks in bay.
258-522	7-27-1986	MALLOY	e	e	e	0	0	1800	200			Looks poor.
258-522	7-30-1986	MANTHEY	f	f	f	0	0	4000	500	3000P		
258-522	8- 4-1986	MANTHEY	g	g	g	0	0	7500	2500	4000P		
258-522	8-11-1986	MALLOY	e	e	e	0	0	9300	50	2000P	25000P	Excellent for this date. Bay fish inside markers.
258-522	8-16-1986	MALLOY	g	g	g	0	0	29000	200	31000P 2000Ch		13,000 pinks on east shore, 18,000 on west shore.
258-522	9-11-1986	MANTHEY	e	e	e	0	4000	51000	5000	500Co 4000P		
OLD HARBOR CREEK 258-523	8-16-1986	MALLOY	g	g	g	0	0	0	0			
258-523	9-11-1986	MANTHEY	e	e	e	0	140	0	60			
LAGOON CREEK 258-524	8-16-1986	MALLOY	g	g	g	0	0	0	0	400Ch		Fish in lagoon. Fairly good water.
WEST THREE SAINTS 258-531	9-11-1986	MANTHEY	e	e	e	0	0	0	0			Beaver dam broke. Not active.
S.W. THREE SAINTS 258-532	9-11-1986	MANTHEY	e	e	e	0	0	1880	20			Beaver dam gone.
N.E. THREE SAINTS 258-533	9-11-1986	MANTHEY	e	e	e	0	0	0	0	20P		
KAIUGNAK LAGOON 258-542	7-27-1986	MALLOY	g	g	g	0	0	0	0	2000P		All fish at lagoon entrance.
258-542	7-30-1986	MANTHEY	g	g	g	0	0	0	0			
258-542	8-11-1986	MALLOY	e	e	e	0	0	4600	0	2000P		Good water flow. Several jumpers in lagoon in addition to fish seen.
KRUIN CREEK 258-544	7-27-1986	MALLOY	e	e	e	0	0	0	0			

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Appendix F.1. (page 12 of 23)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
258-544	8-11-1986	MALLOY	g	g	g	0	0	400	0			Good water flow.
CAKE KIAVAK												
258-552	8-11-1986	MALLOY				0	0	1300	0			Excellent water flow.
KNOLL POINT CREEK												
258-553	8-16-1986	MALLOY	e	e	e	0	0	550	0	300P	800P	
KIAVAK SPIT												
258-555	8-16-1986	MALLOY	e	e	e	0	0	4100	0	2300P		No fish in upper 1/2 of creek.
KAGUYAK BAY CREEK												
258-602	7-30-1986	MANTHEY	f	f	f	0	0	0	300			
258-602	8- 4-1986	MANTHEY				0	0	1000	0	2000Ch		
258-602	8-12-1986	MALLOY	f	f	f	0	0	0	0			Heavy wind. No fish sign.
258-602	8-16-1986	MALLOY	e	e	e	0	0	3200	6000	6000Ch		
KAGUYAK FOX CREEK												
258-603	7-27-1986	MALLOY	e	e	e	0	0	0	0		300Ch	Several jumpers in bay.
SEVEN RIVERS												
258-701	7-21-1986	MANTHEY	e	e	e	0	0	3000	0			
258-701	7-27-1986	MALLOY	g	g	g	0	0	18000	0		15000P	All fish below forks.
258-701	7-30-1986	MALLOY	f	f	f	0	0	9000	0	2000P		
258-701	8- 4-1986	MANTHEY				0	0	38000	0			
258-701	8-11-1986	MALLOY	e	e	e	0	0	78000	0		12000P	Fish heavily schooled below forks 36,000, west fork 14,000; east fork 28,000.
258-701	8-12-1986	MALLOY	e	e	e	0	0	23000	0		9000P	Surveyed lower 1/3 below forks. Looks very fat! Water flow good.
TUNDRA LAKES CREEK												
258-703	8-11-1986	MALLOY				0	0	1800	0			Good water flow. Should be more fish outside.
SOW CREEK												
258-704	8-11-1986	MALLOY				0	0	30	0			Log jam at creek mouth.
MELAVEDOF CREEK												
258-705	7-27-1986	MALLOY	e	e	e	0	0	0	0			Looked for reds that go into old village lakes.
MONASHKA CREEK												
259-101	8- 6-1986	MANTHEY	g	g	g	0	0	10	0		300P	
259-101	9- 9-1986		g	g	g	0	44	4000	0	1500P 3Ch	49Co	Pink count includes carcasses. 350 pinks, 7 coho in South tributary. Foot survey.
PILLAR CREEK												
259-102	8- 6-1986	MANTHEY	e	e	e	0	0	600	0		1000P	Bright pinks.

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Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
259-102	9- 9-1986		g	g	g	1	25	6215	1		22Co	Pink count includes carcasses. Foot survey.
BUSKIN RIVER												
259-211	7-14-1986	MANTHEY				2500	0	3000	0			Reds on lake shoal. Just starting to spawn.
259-211	7-16-1986	MALLOY	g	g	g	550	0	0	0			Fish off 2 tributaries and along beach near outlet.
259-211	7-21-1986	MANTHEY	e	e	e	0	0	4500	0			Fish below weir.
259-211	7-27-1986	MALLOY	g	g	g	750	0	0	0			Reds off middle tributary.
259-211	8- 2-1986	MANTHEY	f	f	f	0	0	25000	0			Pinks counted below weir.
259-211	8-18-1986	MANTHEY	e	e	e	0	0	35000	0		200Co 4000P	Surveyed below weir.
259-211	10- 2-1986					8939	9589	98958	1			Weir count.
SARGENT'S CREEK												
259-221	8-18-1986	MANTHEY	e	e	e	0	0	3500	0			65,000 pinks and chum in Woman's Bay.
RUSSIAN RIVER												
259-222	8-18-1986	MANTHEY	e	e	e	0	0	14000	4000			
SOLONIE CREEK												
259-223	8-18-1986	MANTHEY	e	e	e	0	0	18000	5000			
259-223	9- 3-1986		g	g	g	0	29	7674	170	325P 25Ch		Survey bridge to rifle range. 30% pinks spawned out. Foot survey.
259-223	9-11-1986	MANTHEY	g	g	g	0	0	0	0		200Co 1500P	In Woman's Bay.
PANAMAROF CREEK												
259-224	8-18-1986	MANTHEY	e	e	e	0	0	0	0			
AMERICAN RIVER												
259-231	7-21-1986	MANTHEY	e	e	e	0	0	0	0			
259-231	7-27-1986	MALLOY	e	e	e	0	0	50	0		8000P	Fish from bridge down. Much 3-wheeler activity in and around stream above bridge.
259-231	8- 4-1986	MANTHEY	g	g	g	0	0	3500	0		8000P	Bay fish inside markers.
259-231	8-18-1986	MANTHEY	e	e	e	0	0	21000	4000		180Co	
SALT CREEK												
259-233	8-18-1986	MANTHEY	e	e	e	0	0	0	0			
SLOUGH CREEK												
259-234	8-18-1986	MANTHEY				0	0	0	0		600Co 17500P 2000Ch	2,500 pinks on north shore of bay. 15,000 pinks on south shore by cannery, chums on south shore.
SID OLDS												
259-242	7-21-1986	MANTHEY	e	e	e	0	0	700	0	1500P		

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Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
259-242	7-24-1986	MANTHEY	e	e	e	0	0	1300	0			
259-242	7-27-1986	MALLOY	e	e	e	0	0	7300	0	1000P		Very little below bridge.
259-242	7-30-1986	MANTHEY	f	f	f	0	0	10000	300	2000P		
259-242	8- 2-1986	MANTHEY				0	0	0	0	50Co		No survey on stream.
259-242	8- 4-1986	MANTHEY	f	f	f	0	0	14000	1500		4000P	
259-242	8-11-1986	MALLOY	g	g	g	0	0	13400	0	800Ch		Stream flow excellent.
259-242	8-16-1986	MALLOY	e	e	e	0	0	52000	0	3000Ch	50Co 4000P 6000Ch 6000P 5000Ch	Water flow very good. Fish schooled in heavy balls from lower riffle to lower pools.
259-242	8-18-1986	MANTHEY	e	e	e	0	0	42000	8000			200 coho in bay.
KALSIN CREEK												
259-243	8-18-1986	MANTHEY	e	e	e	0	0	0	0			
FRANK'S CREEK												
259-244	8-16-1986	MALLOY	g	g	g	0	0	150	0			Poor water flow.
259-244	8-18-1986	MANTHEY	e	e	e	0	0	0	0			Nothing seen.
MYRTLE CREEK												
259-245	7-30-1986	MANTHEY	f	f	f	0	0	0	0	300P		
259-245	8-16-1986	MALLOY	e	e	e	0	0	650	0			Water flow good.
259-245	8-18-1986	MANTHEY	e	e	e	0	0	700	0			
ROSLYN CREEK												
259-251	8-18-1986	MANTHEY	e	e	e	0	0	27000	0		3000P 150Ch	
259-251	9-19-1986		e	e	e	1	355	210	0	15P		50 filleted coho. (Included in count.) Foot survey.
TWIN CREEK												
259-252	8-18-1986	MANTHEY	e	e	e	0	0	1600	0		10Co 200P	
CAPELIN CREEK												
259-253	8-18-1986	MANTHEY	e	e	e	0	0	50	0		300P	Pinks above culvert.
CHINIAK CREEK												
259-254	8-18-1986	MANTHEY	e	e	e	0	0	7000	0		400P	
BARABARA CREEK												
259-263	7- 9-1986	MANTHEY				0	0	0	0			Nothing seen.
259-263	7-14-1986	MANTHEY				900	0	0	0			Just starting to show on shoals.
259-263	7-16-1986	MALLOY	p	p	p	30	0	0	0			Heavy glare.

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Appendix F.1. (page 15 of 23)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
259-363	7-27-1986	MALLOY	g	g	g	75	0	0	0			15 reds off mouth of east tributary. 60 reds off shoal of middle creek.
GOAT CREEK												
259-364	9-11-1986	MANTHEY	g	g	g	0	0	2500	0			
KIZHUYAK RIVER												
259-365	8- 4-1986	MANTHEY				0	0	4500	1000	13000P		Bay fish pinks and chums.
259-365	8- 4-1986	MALLOY				0	0	7000	200	12000P		
										2000Ch		
259-365	8- 5-1986	BRENNAN	g	g	g	0	0	2000	2000	30000Ch		
259-365	9-11-1986	MANTHEY	e	e	e	0	0	25000	55000	200P		
										2000Ch		
PESTCHANIE CREEK												
259-366	8- 5-1986	BRENNAN	e	e	e	0	0	0	0	1000P		
259-366	9-11-1986	MANTHEY				0	20	4000	40			
DOVOLNO CREEK												
259-368	9-11-1986	MANTHEY	f	f	f	0	0	0	0	10P		
SHERATIN RIVER												
259-371	7-14-1986	MANTHEY	e	e	e	0	0	100	0	4000P		Good show for this date.
259-371	7-16-1986	MALLOY	g	g	g	0	0	0	0	300Ch		Fish not quite in river yet.
259-371	7-21-1986	MANTHEY	e	e	e	0	0	300	0	19000P		
259-371	7-27-1986	MALLOY	e	e	e	0	0	4300	0	3000P		All pinks in sampling area. Bay pinks on east side of bay.
259-371	8- 4-1986	MANTHEY				0	0	14000	4000	30000P		
259-371	8- 4-1986	MALLOY	g	g	g	0	0	11000	0			
259-371	8- 5-1986	BRENNAN	e	e	e	0	0	14000	0	8000P	25000P	Water slightly above normal.
										5000Ch		
259-371	9-11-1986	MANTHEY				0	0	40000	15000	10000P	1000P	
										2000Ch	5000Ch	
HORSE CREEK												
259-372	9-11-1986	MANTHEY				0	0	2000	0			
HOLLIE CREEK												
259-391	8-21-1986	MANTHEY	e	e	e	0	0	4000	0	7000P		
NEVA CREEK												
259-392	8-21-1986	MANTHEY	e	e	e	0	0	800	0	120Co		
										2000P		
AZIMUTH CREEK												
259-393	8-21-1986	MANTHEY	e	e	e	0	0	140	0	200P		No carcasses.

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Appendix F.1. (page 16 of 23)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
SEREDNI POINT CREEK 259-394	8-21-1986	MANTHEY	e	e	e	0	0	400	0	800P	100Co 100P	
SOLDIER'S BAY 259-397	8-21-1986	MANTHEY	e	e	e	0	0	0	0		100P	
SACRAMENTO RIVER 259-401	8-18-1986	MANTHEY	e	e	e	0	0	3000	0			All in lagoon. Nothing upstream.
TWIN PEAKS CREEK 259-402	8-18-1986	MANTHEY	e	e	e	0	0	0	0			
VALLEY CREEK 259-403	8-18-1986	MANTHEY	e	e	e	0	0	0	0			
BURTON CREEK 259-404	8-18-1986	MANTHEY				0	0	0	0			
BARRY'S CREEK 259-405	8-18-1986	MANTHEY	g	g	g	0	0	0	0			
ZENTNER CREEK 259-410	8-18-1986	MANTHEY	g	g	g	0	0	1800	0			
PASAGSHAK RIVER 259-411	7-21-1986	MANTHEY	g	g	g	0	0	0	0			3 kings in lagoon; 1 dead king in river.
259-411	8-18-1986	MANTHEY	f	f	f	3200	0	0	0			8 kings. Reds in lake.
MIAM RIVER 259-412	7-21-1986	MANTHEY				200	0	250	0			Reds in lake; pinks below forks.
259-412	7-24-1986	MANTHEY	g	g	g	0	0	750	0			
259-412	7-27-1986	MALLOY	e	e	e	400	0	50	0		1000P	Reds schooled off tributary. 3 dark balls in low end.
259-412	8- 2-1986	MANTHEY	f	f	f	0	500	14000	0			400 coho in lake.
259-412	8- 4-1986	MANTHEY	f	f	f	0	0	4000	0			
259-412	8-11-1986	MALLOY	e	e	e	750	0	7200	0			Reds schooled on tributary flats. Pinks: 6,500, lake fork, 700 N. fork.
259-412	8-16-1986	MALLOY	e	e	e	1400	0	15500	0			11,500 pinks in lake fork; 1,500 in other fork; 2,500 below forks. Reds schooled off the mouth.
259-412	8-18-1986	MANTHEY	g	g	g	2500	50	19000	1000			Coho in lower end of stream.
NOSE CREEK 259-413	8-18-1986	MANTHEY	g	g	g	0	0	0	0			
BURST CREEK 259-414	8-18-1986	MANTHEY	e	e	e	0	0	9000	200			

-Continued-

Appendix F.1. (page 17 of 23)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
SALTERY RIVER												
259-415	7-14-1986	MANTHEY				300	0	0	0			Reds below weir.
259-415	7-24-1986	MANTHEY	g	g	g	0	0	0	0			No estimate. Jumpers inside markers.
259-415	8- 1-1986	MALLOY	e	e	e	24000	0	0	0			95% of reds schooled off lodge tributaries.
259-415	8-18-1986	MANTHEY				0	0	9000	0	1000P 4000Ch	2000P	Below weir only.
259-415	9-12-1986					38269	9200	22275	189			Weir count.
ROUGH CREEK												
259-416	8-18-1986	MANTHEY	e	e	e	0	0	8000	8000			
WILD CREEK												
259-417	8-18-1986	MANTHEY	g	g	g	0	0	0	0			
HIDDEN BASIN												
259-418	7-24-1986	MANTHEY	g	g	g	0	0	0	0		200Ch	Nothing in streams.
259-418	8-18-1986	MANTHEY	f	f	f	0	0	0	150		10Ch	
259-41A	8-18-1986	MANTHEY	g	g	g	0	0	0	10			
259-41B	8-18-1986	MANTHEY	f	f	f	0	0	0	0		150P	Poor.
GOAT LAKE CREEK												
259-422	8-18-1986	MANTHEY	e	e	e	0	0	2200	0			
259-422	9-11-1986	MANTHEY	e	e	e	80	0	0	0			In lake outlet - unbelievable.
KILIUDA PASS CREEK												
259-423	7-24-1986	MANTHEY	g	g	g	0	0	0	0			No fish seen.
259-423	8-18-1986	MANTHEY	e	e	e	0	0	50	400		200P 300Ch	Low water. Very light.
EAGLE HARBOR												
259-424	7-27-1986	MALLOY	e	e	e	0	0	0	0	2000P	6000Ch	4,000 of bay fish bright chums.
259-424	8- 4-1986	MANTHEY				0	0	1000	2000			
259-424	8-11-1986	MALLOY	g	g	g	0	0	2400	0	500P		Fair stream flow.
259-424	8-18-1986	MANTHEY	e	e	e	0	0	5500	4500		2800P	
BUCK CREEK												
259-425	8-18-1986	MANTHEY	e	e	e	0	0	0	0		100P	
GULL POINT CREEK												
259-426	8-18-1986	MANTHEY	e	e	e	0	0	200	0		1000P	

-Continued-

Appendix F.1. (page 18 of 23)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
DELTA CREEK												
259-427	8-18-1986	MANTHEY	e	e	e	0	0	100	12		400P	Chum in lagoon.
259-42B	7-21-1986	MALLOY				0	0	0	0	100Ch		
259-42B	7-27-1986	MALLOY				0	0	0	0			
259-42B	7-30-1986	MANTHEY	f	f	f	0	0	0	0			Few chums jumping at lagoon mouth.
259-42B	8- 2-1986	MANTHEY	p	p	p	0	0	0	450			
259-42B	8-12-1986	MALLOY	g	g	g	0	0	0	75			Few fish in lagoon. Jumper off mouth.
259-42B	8-16-1986	MALLOY	e	e	e	0	0	0	50			Nothing seen off creek mouth. Fish in lagoon. Jumpers off shore. No schools seen on beach.
259-42B	8-18-1986	MANTHEY	e	e	e	0	0	0	800	200Ch	1000Ch	
259-42B	9-11-1986	MANTHEY	e	e	e	0	0	0	3100			About 1,100 in streams, rest in lagoon.
DOUGLAS CREEK												
262-101	8-11-1986	MANTHEY	g	g	g	0	0	50	500			
CLEAR CREEK												
262-102	8-11-1986	MANTHEY	g	g	g	0	0	400	4000	200Ch		
MONUMENT CREEK												
262-103	8-11-1986	MANTHEY	g	g	g	0	0	1100	0	50P		
GLACIER LAKE CREEK												
262-104	8-11-1986	MANTHEY	g	g	g	0	0	0	20			
CALVING GLACIER CRK.												
262-105	8-11-1986	MANTHEY	g	g	g	400	0	0	0			
TRIPLE LAKES CREEK												
262-106	8-11-1986	MANTHEY				0	0	1000	100			
LONG MUD CREEK												
262-107	8-11-1986	MANTHEY	g	g	g	0	0	50	50			
PRODUCTIVE FORKS CR.												
262-108	8-11-1986	MANTHEY	g	g	g	0	0	0	0			
SWIKSHAK RIVER												
262-151	7-16-1986	MANTHEY	g	g	g	6500	0	0	0			
262-151	8- 4-1986	MALLOY	g	g	g	17000	0	0	0			Reds beginning to color.
262-151	8-11-1986	MANTHEY	e	e	e	18000	0	0	2000			Could be some coho in lower end.
262-151	8-17-1986	PROKOPOWICH	f	f	f	0	0	0	0			Surveyed lower river and lagoon. Nothing seen.
262-151	8-28-1986	PROKOPOWICH	f	f	f	0	800	0	0	5400Co		Coho in lagoon.
262-151	9- 5-1986	PROKOPOWICH	g	g	g	0	22500	0	0			2,500 coho in lagoon. Rest up in main river.

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Appendix F.1. (page 19 of 23)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
BIG RIVER												
262-152	7-16-1986	MANTHEY	g	g	g	0	0	0	0			Nothing seen.
262-152	7-23-1986	MANTHEY	g	g	g	0	0	0	0			
262-152	7-28-1986	MANTHEY				0	0	0	1000	15000Ch		Chum on flats.
262-152	8- 4-1986	MALLOY	p	p	p	0	0	0	0			Muddy river.
262-152	8- 6-1986	MALLOY	g	g		0	0	10000	16000			Fish distributed up to bluffs below forks.
262-152	8-11-1986	MANTHEY	f	f	f	0	0	10000	30000			No count in bay. Muddy river.
262-152	8-17-1986	PROKOPOWICH	g	g	p	0	500	30000	22500			Five planes with sport fishermen.
262-152	8-19-1986	MALLOY	e	e	e	0	0	22000	31000			Chums in lower end 1/4 of stream. Peak of pink spawning. Ten aircraft with sport fishermen.
262-152	8-28-1986	PROKOPOWICH	e	e	e	0	0	0	0			Nothing seen. Muddy water.
262-152	9- 5-1986	PROKOPOWICH	p	p	p	0	0	0	0	500Co		One plane on river.
VILLAGE CREEK												
262-153	7-16-1986	MANTHEY	g	g	g	0	0	0	20			
262-153	7-23-1986	MANTHEY	g	g	g	0	0	0	300			
262-153	7-27-1986	MANTHEY				0	0	0	2500			
262-153	8- 4-1986	MALLOY	p	p	p	0	0	0	0			Survey on lower end only.
262-153	8- 6-1986	MALLOY	e	e	p	0	0	8500	500			Pinks extend all the way up. Good water flow.
262-153	8-11-1986	MANTHEY	g	g	g	0	0	12000	0	19000Ch		7,000 chum north of creek mouth. 12,000 along south beach.
262-153	8-17-1986	PROKOPOWICH				0	0	17800	17700			Nothing seen on beaches.
262-153	8-19-1986	MALLOY	e	e	e	0	0	21000	17000	4000Ch		Fish pretty well distributed. Small schools of bright fish along Village beach.
CHINIAK LAGOON												
262-154	7-16-1986	MANTHEY				0	0	0	0	500Ch		Chums by lagoon.
262-154	7-23-1986	MANTHEY	g	g	g	0	0	0	0	1500Ch		Few small schools by lagoon. 3 jumpers along entire beach on two passes.
262-154	7-27-1986	MANTHEY	e	e	e	0	0	0	0	27000Ch		Chums along beach.
262-154	8- 4-1986	MALLOY	f	f	f	0	0	0	0	8000Ch		Fish at lagoon entrance.
262-154	8- 6-1986	MALLOY	e	e	e	0	0	0	0	21000Ch	10000Ch	Fish in lagoon mouth getting dark. Beach fish very bright.
262-154	8-17-1986	PROKOPOWICH	g	g	g	0	0	0	8500			Good show in lagoon.

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Appendix F.1. (page 20 of 23)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
NINAGIAK CREEK												
262-201	8-17-1986	PROKOPOWICH	f	f	f	0	5600	0	11600			Partial count due to muddy water.
262-201	8-19-1986	MALLOY	g	g	g	0	0	2300	0			Water low.
SERPENT CREEK												
262-203	7-28-1986	MANTHEY	e	e	e	0	0	0	2000		25000Ch	
262-203	8- 4-1986	MALLOY	p	p	p	0	0	0	0			No creek survey.
262-203	8- 6-1986	MALLOY	e	e	p	0	0	400	3600			No schooled fish in normal areas.
262-203	8-11-1986	MANTHEY	g	g	g	0	0	100	4000		7000Ch	
262-203	8-17-1986	PROKOPOWICH	f	f	f	0	3000	0	0			Two planes on beach with sport fishermen.
262-203	8-19-1986	MALLOY	g	g	g	0	0	22000	9000	2000Ch		Jumpers in bay. Excellent spawner distribution. Two airplanes on beach and one floatplane at river mouth.
262-203	9- 5-1986	PROKOPOWICH	p	p	p	0	0	0	0			Nothing seen in bay.
HALLO CREEK												
262-204	8-14-1986	MANTHEY				0	0	100	900			Fish in sloughs on north side of stream.
262-204	8-17-1986	PROKOPOWICH	p	p	p	0	0	0	0			Too muddy. Nothing seen.
262-204	8-19-1986	MALLOY	p	p	p	0	0	0	0			Didn't survey creek.
CAPE CHINIAK CREEK												
262-205	8- 6-1986	MALLOY	e	e	e	0	0	250	0			Good water flow.
262-205	8-19-1986	MALLOY	e	e	e	0	0	1500	0	18000P 200Ch		Heavy balls of fish at mouth. Very good water flow.
KUKAK BAY												
262-25	8-17-1986	PROKOPOWICH	e	e	e	0	0	0	0		110000Ch	30,000 chums outside jaws, rest in main part of bay. Streams muddy.
YUGNAK CREEK												
262-254	8-19-1986	MALLOY	g	g	g	0	0	0	0		3000P	Water flow good.
KUKAK CREEK												
262-271	7-16-1986	MANTHEY	g	g	g	0	0	0	0			Nothing seen.
262-271	8- 4-1986	MALLOY	f	f	f	0	0	0	0			2 jumpers in outer bay.
262-271	8- 6-1986	MALLOY	f	f	f	0	0	400	50	3000Ch		3 jumpers in outer bay.
262-271	8-11-1986	MANTHEY	g	g	p	0	0	200	200		2000Ch	Little sign in bay.
262-271	8-19-1986	MALLOY	e	e	e	0	0	300	50	128000Ch		Good water flow. Strong show in outer bay.
262-271	8-19-1986	MALLOY	e	e	e	0	0	300	50	128000Ch		Good water flow. Strong show in outer bay.
262-271	8-28-1986	PROKOPOWICH	p	p	p	0	0	0	400			Chum in index creek. Muddy water.

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Appendix F.1. (page 21 of 23)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
262-271	9- 5-1986	PROKOPOWICH	g	g	g	0	0	0	32000			Fish in main river. Lots of bears.
262-271	9-11-1986	PROKOPOWICH	f	f	f	0	0	7000	1500		18500Ch	Stream counts for index stream.
KUKAK VALLEY CREEK												
262-272	9- 5-1986	PROKOPOWICH	f	f	f	0	0	0	500			
262-272	9-11-1986	PROKOPOWICH	f	f	f	0	0	0	1000			Fish in clear fork.
KAFLIA CREEK												
262-301	7-16-1986	MANTHEY	g	g	g	6000	0	0	0	10000R		
262-301	8- 4-1986	MALLOY	g	g	g	12000	0	0	0		2000R	8,000 off tributary of upper lake; 4,000 off mouth of middle creek between lakes.
SANDY CREEK												
262-401	8-17-1986	PROKOPOWICH	g	g	g	0	0	0	0	1500P		
MISSAK CREEK												
262-402	8-17-1986	PROKOPOWICH	g	g		0	0	1000	0		13500P	Fish inside 500 yard markers.
KINAK CREEK												
262-451	8- 6-1986	MALLOY	e	e	e	0	0	0	0		2500P	No traveling fish on the beaches.
262-451	8-11-1986	MANTHEY	g	g	g	0	0	0	0		4000P	Bright pinks.
262-451	8-17-1986	PROKOPOWICH	g	g	g	0	0	1000	0		13500P	Few scattered schools along north side. Poor.
262-451	8-19-1986	MALLOY	e	e	e	0	0	300	0		51000P	Fish in bay: 23,000 on north side of bay and 28,000 on south side of mouth. Fish starting to line up on creek.
262-451	9- 5-1986	PROKOPOWICH	g	g	g	0	0	5000	0	4000P	6500P	Looks poor.
262-451	9-11-1986	PROKOPOWICH	f	f	f	0	0	0	0		1500P	Too foggy for stream survey.
GEOGRAPHIC CREEK												
262-501	8- 6-1986	MALLOY	e	e	e	0	0	0	0		4500P	Bay should be more fishy.
262-501	8-11-1986	MANTHEY	g	g	g	0	0	1000	0	500P	7000P	
262-501	8-19-1986	MALLOY	e	e	e	0	0	6500	0		42600P	East pothole 5,000 pinks, main pothole zero. Heavy balls of fish in inner pothole lining up on main creek.
DAKAVAK												
262-551	7-27-1986	MANTHEY	e	e	e	0	0	0	0			
262-551	8- 6-1986	MALLOY	g	g	e	0	0	50	0	200Ch		Bay looks blank.
262-551	8-11-1986	MANTHEY	e	e	e	0	0	0	200	500P		Looks very poor.
262-551	8-16-1986	MANTHEY				0	0	15000	0		15000P 5000Ch	Bright fish moving all along coast in rock piles south of Dakavak.

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Appendix F.1. (page 22 of 23)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
262-551	8-19-1986	MALLOY	e	e	e	0	0	34000	1200		73000P 20000Ch	Tremendous amount of new fish. 4,400 fish on east side of bay; 49,000 on west shore from Atmo Creek to river mouth.
262-551	9- 5-1986	PROKOPOWICH	g	g	g	0	0	45000	30000	5000P		Looks good.
ALOGOGSHAK CREEK												
262-602	7- 2-1986	MANTHEY	e	e	e	0	0	0	0			No survey of stream.
262-602	8- 6-1986	MALLOY	p	p	p	0	0	0	0			River very turbid.
262-602	8-16-1986	MANTHEY	e	e	e	0	0	0	0		300Ch	Small dabs.
262-602	8-19-1986	MALLOY	f	f	f	0	0	12000	44000	1200Ch		Several jumpers along Katmai beach. Stream distribution very good except in upper reaches. Generally well seeded.
KASHVIK CREEK												
262-604	8- 6-1986	MALLOY	g	g	g	0	0	36000	0			Fish both schooled in pools and spread out on major riffles.
262-604	8-19-1986	MALLOY	g	g	g	0	0	108000	5800	1500Ch		Stream distribution excellent. Fish spread out on spawning grounds and heavily balled in deep pools.
WRECKAGE CREEK												
262-605	8-19-1986	MALLOY	g	g	g	0	0	2400	0		2000P	Water flow good.
BIG ALINCHAK												
262-651	7-27-1986	MANTHEY	e	e	e	0	0	800	0		45000P 15000Ch	Bay fish in Big and Little Alinchak Bays.
262-651	8- 6-1986	MALLOY	g	g	g	0	0	4300	0	800P	17000P	Bay fish: 9,000 west beach; 8,000 east beach.
262-651	8-16-1986	MANTHEY	e	e	e	0	0	52000	0		50000P	Well seeded. Lots of fish along beaches south.
LITTLE ALINCHAK												
262-652	8- 6-1986	MALLOY	g	g	g	0	0	500	0	400P	53000P	Heavy skiff tracks on mud flats.
PTERODACTYL CREEK												
262-653	8- 6-1986	MALLOY	e	e	e	0	0	300	100			Bay fish for Big Alinchak on south bend near this creek.
BEAR BAY CREEK												
262-654	7-28-1986	MANTHEY	e	e	e	0	0	0	400		1000Ch	3 seiners.
262-654	8-16-1986	MANTHEY	e	e	e	2500	0	7000	3000		9000Ch	Reds in lake. Pinks at lake outlet.
BEAR LAKE CREEK												
262-655	8- 6-1986	MALLOY	g	g	g	0	0	150	0	50P		
WEST BEAR CREEK												
262-656	8- 6-1986	MALLOY	g	g	g	0	0	3500	0			Fish schooled in lower pools.
TEKESA CREEK												
262-703	7-28-1986	MANTHEY	e	e	e	0	0	0	0		4000P 10000Ch	No fish in Puale streams.

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Appendix F.1. (page 23 of 23)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
TRAIL CREEK 262-704	8- 6-1986	MALLOY	e	e	p	0	0	0	0			Seiner with 300-400 fish pursed up.
KATIE CREEK 262-705	8- 6-1986	MALLOY	g	g	g	0	0	100	0			
DRY BAY 262-752	7-28-1986	MANTHEY	e	e	e	0	0	0	30		2300Ch	
JUTE CREEK 262-801	8- 6-1986	MALLOY	f	f	f	0	0	950	75			200' ceiling.
KANATAK 262-802	7-27-1986	MANTHEY				0	0	0	0	8000Ch	6000Ch	Chums in lagoon and along beaches.
262-802	8- 6-1986	MALLOY	g	g	f	0	0	16400	400			Fish heavily balled lower lake and stream pools.
BIG CREEK 262-851	7-27-1986	MANTHEY	e	e	e	0	0	18000	0		38000P	Bay fish mixed chums and pinks.
262-851	8- 6-1986	MALLOY	e	e	e	0	0	0	37000			Water flow excellent. Jumpers near rock piles on east side of bay.
262-851	8-16-1986	MANTHEY	g	g	g	0	0	140000	20000	15000P	5000P	Best in many years. Most fish on outside dark.
DES MOINES CREEK 262-852	8- 6-1986	MALLOY	e	e	e	0	0	2100	0			1,900 in west fork; 200 in east fork.
PASS CREEK 262-853	8- 6-1986	MALLOY	e	e	e	0	0	800	0			Good water flow.
SPIT CREEK 262-856	8-16-1986	MANTHEY	e	e	e	0	0	9000	1000		2500P	Count bay fish - last survey of year.
KIALAGVIK CREEK 262-858	7-27-1986	MANTHEY	e	e	e	0	0	0	3500		6000P 18000Ch	Chums spawning in stream.
262-858	8- 6-1986	MALLOY	e	e	e	0	0	800	5400	200P 200Ch		Numerous jumpers in bay extending from off creek mouth to over 1/2 way out bay on south shore. Water flow excellent.
262-85A	8-16-1986	MANTHEY	e	e	e	0	0	200	0			
262-85A	8-16-1986	MANTHEY	e	e	e	0	0	200	0			

Appendix G.1. Aerial salmon escapement surveys for the Kodiak Management Area, 1987.

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
1	7-23-1987	MALLOY	g	g	g	0	0	0	0			No sign on outside.
2	7-23-1987	MALLOY	e	e	e	0	0	0	0			Only did a go-around. Should have seen fish - nothing visible.
20	8- 8-1987	LECHNER				0	0	0	0			
207-304	7-29-1987	SCHMIDT	e	e	e	9500	0	0	0			5,500 observed in Olga Bay.
232-306	8-17-1987		g	g	g	0	0	0	0		8000P	Low water, fish off mouth and bay. Two herring schools one 30 ton; one 10 ton = 40 tons.
249-401	8-25-1987		g	g	g	0	0	900	0			Very low water. No open flow into the ocean.
25-	7-28-1987	MALLOY	e	e	e	0	0	0	0	2100P	52000P	Tremendous build-up. Small schools of fish along beach moving west. Stream flow poor-needs water bad.
SELEEF												
251-101	8- 7-1987	MALLOY	g	g	g	0	0	0	0			Beaver dam blocking the mainstream totally near dam. 600+ Dollies in mainstream.
251-101	8- 7-1987	MALLOY	f		g	0	0	7500	0	50Co 1500P	200Co 1000P	Glare in creek. Sportfishermen in lower portion of stream.
251-101	8-17-1987	PROKOPOWICH	G	G	G	250	0	0	0		700Ch	100 Chums inside subsistence markers. 600 inside normal markers.
251-101	8-21-1987	MANTHEY	g	g	g	300	0	3200	0		150Ch	
251-101	8-22-1987	MALLOY	e	e	e	0	0	0	0			Water extremely low. Need to check beaver dam.
251-101	8-28-1987	PROKOPOWICH	g	g	g	0	900	1000	0		500Co	Coho inside regulatory markers.
251-101	9- 2-1987	PROKOPOWICH	g	g	g	0	75	600	0			Jumpers in bay, but visibility poor.
251-101	10-29-1987		g	g	g	0	550	0	0			350 coho in tributary above upper lake. 200 estimated in lower lake.
MUSKOMEE BAY												
251-103	8-22-1987	MALLOY	e	e	e	0	0	0	0			Water very low.
251-103	10-29-1987		p	p	p	0	0	0	0			Nothing seen.
LOUGHIN CREEK												
251-104	8-21-1987	MANTHEY	p	p	p	0	0	0	0	6P	1100P	Low water

-Continued-

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Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
MALINA RIVER												
251-105	7-11-1987	MALLOY				20	0	0	0			Reds by upper lake main trib. Remainder of lake system blank; nothing in lagoon or off mouth.
251-105	7-16-1987	MANTHEY				0	0	0	0	800R		Reds in lagoon.
251-105	8-21-1987	MANTHEY	e	e	e	4000	0	25000	0	6000P	2000P	1,000 reds lake shore; 3,000 in streams, 1,500 pinks between lakes.
251-105	8-22-1987	MALLOY	e	e	e	1500	0	3200	0			Water low. Of stream pinks 2,000 in lagoon. Of reds, 50 in tributaries, 250 off tributaries mouth, 1,200 beach spawners lower lake.
251-105	10-29-1987		g	g	g	20	170	0	0			Reds in stream between lakes. 100 coho at lower lake outlet, 70 in stream between lakes. Fish getting pretty fungused by now.
251-201A	10-29-1987		p	p	p	0	0	0	0			Nothing seen.
LONG LAGOON												
251-301	7-29-1987	MALLOY	e	e	e	0	0	0	0		7000P	Water in stream moderately low. Fish very bright. Bay visibility excellent.
251-301	8- 7-1987	MALLOY	f	f	f	0	0	5500	0			Stream flow good. No sign outside. Two large shark and a killer whale doing battle. Pinks out of lagoon holding in pools.
251-301	8-11-1987	MANTHEY	f	f	f	0	0	0	1200			50 Dollies in mouth. Too early in a.m. for good survey.
251-301	10-29-1987		f	f	f	0	10	0	0			All fish seen in lower stream by lagoon. Most must be in lake.
THORSHEIM CREEK												
251-302	7-29-1987	MALLOY	e	e	e	0	0	0	0			Bay visibility excellent. Water low in stream.
251-302	8- 7-1987	MALLOY	g		e	0	0	0	0			Looks blank. Stream flow medium low.
SOUTH ARM CREEK												
251-403	8-21-1987	MANTHEY	f	f		0	0	0	0			Coho jumpers.
EAST ARM CREEK												
251-404	8- 1-1987		g	g	g	0	0	0	0	5000P	4000P	Stream very low flow. Fish schooled in intertidal and along north shore of the bay.
251-404	8- 7-1987	MALLOY	g	g	g	0	0	6500	0	8000P	22000P	Progressing very well. Stream flow good.
251-404	9-29-1987	MALLOY	e	e	e	0	0	0	0	100P	17000P	Water medium low. All fish bright.
BIG WATERFALL												
251-821	7-21-1987	PROKOPOWICH	g	g	g	0	0	0	0	400P		400 additional fish off mouth of side creek.

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Appendix G.1. (page 3 of 44)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
251-821	8- 1-1987		g	g	g	0	0	0	0	3500P	1000P	Fish in bay between Big and Little Waterfall. Visibility good to excellent.
251-821	8- 7-1987	MALLOY	f		g	0	0	0	0		13500P	Scattered schools along build-up beach and near mouth of creek.
LITTLE WATERFALL												
251-822	7-21-1987	PROKOPOWICH	g	g	g	0	0	0	0		1000P	
251-822	7-27-1987	PROKOPOWICH	g	g	g	0	0	0	0		2000P	
251-822	8- 1-1987		f	f	f	0	0	0	0	3000P		Fish schooled at stream terminus. More jumpers out in bay.
251-822	8- 7-1987	MALLOY			g	0	0	0	0		26000P	Looks excellent in bay. A large portion of build-up will leave sanctuary on upcoming minus tides.
DELPHIN ISLAND												
251-823	8- 7-1987	MALLOY	g	g	g	0	0	0	0			Stream flow fair.
PORTAGE CREEK												
251-825	7-21-1987	PROKOPOWICH	g	g	g	500	0	0	0			Reds by small inlet stream.
251-825	7-27-1987	PROKOPOWICH	g	g	g	0	0	0	0			No salmon seen, six schools herring est. 95 ton total.
251-825	8- 1-1987		g	g	g	0	0	2500	0		1000P	Fish in bay along Island Air cabin. Stream fish schooled in intertidal lagoon area. Low water in stream.
BEAN CREEK												
251-827	8- 7-1987	MALLOY	f	e	g	0	0	0	0			Stream flow o.k.
LAURA'S BAY												
251-831	8- 7-1987	MALLOY	f	g	g	4000	0	0	0		350Co 1500P	Nice build-up outside sanctuary. Reds schooled at mouth of Laura Creek.
ROCKY BAY CREEK												
251-903	8- 7-1987	MALLOY	f	g	e	0	0	0	0			Stream flow o.k.
252	7-29-1987	MALLOY	e	e	e	0	0	1300	0	1000P	9000P	Fish in lower 1/2 mile. Water medium low. Bay visibility excellent.
GRASSY LAGOON CREEK												
252-302	8- 1-1987		g	g	g	0	0	0	0		1500P	
252-302	8-16-1987	MALLOY				0	0	0	0			
252-302	8-17-1987		g	g	g	0	0	0	0		3000P	Fish in 3 schools in bay.
UNNAMED												
305	8- 7-1987	MALLOY	f	f	f	0	0	0	0			Jumpers off mouth. No visible schools.

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Appendix G.1. (page 4 of 44)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
SAPOSA BAY												
252-306	7-21-1987	PROKOPOWICH	g	g	g	0	0	0	0		2000P	Good visibility.
252-306	7-27-1987	PROKOPOWICH	g	g	g	0	0	0	0	7000P	2000P	
252-306	8- 1-1987		g	g	g	0	0	0	0	2000P	5500P	Fish schooled along north shoreline. Lot of jumpers seen out into the middle of bay. Survey north shore Izhut-2,000 pinks seen schooled. Heavy show of traveling fish.
252-306	8- 7-1987	MALLOY	g	g	g	0	0	0	0			Stream flow fair. Several jumpers in bay. No visible schools.
252-306	8-16-1987	MALLOY				0	0	0	0	100P	7000P	
RUTH BAY												
252-307	8- 7-1987	MALLOY	f	g	g	0	0	0	0			No sign.
252-307	8-17-1987		g	g	g	0	0	0	0	750P		
BARRIER CREEK												
252-308	8-16-1987	MALLOY	g	g	g	0	0	0	0	8000P	1000P	
LEFT HAND BAY												
252-309	8- 7-1987	MALLOY	g	g	g	0	0	0	0			Stream flow o.k. Jumpers in bay.
252-309	8- 7-1987	MALLOY	e	e	e	1300	0	800	0	300P	200P	Stream flow o.k.; was very low last week. Reds distribution: 800 on upper lake school for main tributary, 100 in tributary.
252-309	8-16-1987	MALLOY				0	0	0	0	200P	6000P	
HERMIT'S CREEK												
252-317	8-16-1987	MALLOY				0	0	0	0			
LITTLE AFOGNAK												
252-319	10-29-1987		p	p	p	0	0	0	0			Trees and shadows. Too early in A.M. for a good survey.
LITTLE KITOI												
252-323	10-29-1987		e	e	e	0	0	0	1030	20Co		System breakdown: 618 in Elk Lake Cr. (300 used for hatchery broodstock), 125 off mouth; 28 in Falls Creek; 207 in Swampy Creek of which 107 live, 20 bear kills, 100 off.
BIG KITOI												
252-324	7-11-1987	MALLOY			p	0	0	0	0		8000Ch	No jumpers; 2 dark balls off of garbage beach near creek lagoon. Heavy plankton bloom. Herring: 1-20 ton, 1-15 ton. Two additional balls of (?) at Little Kitoi.
252-324	7-21-1987	PROKOPOWICH	g	g	g	0	0	0	0		16000P 6500Ch	Chums in seine trap. Pinks bright in bay.

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Appendix G.1. (page 5 of 44)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
252-324	7-27-1987	PROKOPOWICH	g	g	g	0	0	0	0		36000P	
252-324	8- 1-1987		g	g	g	0	0	0	0		26500P	10-15,000 fish schooled right outside hatchery net. Several small schools farther out in the bay.
252-324	8- 7-1987	MALLOY	g	g	f	0	0	0	0		68000P	60,000 pinks in and against brood stock pen. Scattered schools in bay total 8,000+. Good jumper sign from mid-arm bay to jaws.
252-324	8-16-1987	MALLOY				0	0	0	0		11000P	Penned fish estimated at 150,000 pinks.
252-324	8-17-1987		g	g	g	0	0	0	0		18000P	Includes 2,000 pinks off stream #252-323. 12,000 pinks by net.
N.E. DANGER CREEK 252-331	8- 1-1987		f	f	f	0	0	0	0		700P	Two schools off mouth. Water level in stream extremely low.
252-331	8- 7-1987	MALLOY	e	e	e	0	0	0	0	50Co 200P		Stream flow fair. Fish schooled in lowest lagoon pool.
252-331	8-17-1987		f	f	f	0	0	1200	0			Pinks seen above falls. Low stream flow.
252-331	10-29-1987		f	f	f	0	0	0	0			Nothing seen.
BIG DANGER 252-332	7-29-1987	MALLOY	e	e	e	0	0	0	0	200P	9000P	Water medium low. 2 seiners off east shore of Danger Bay. Bay visibility excellent.
252-332	8- 7-1987	MALLOY	e	e	e	0	0	2700	0		2000P	Early build-up hasn't progressed well. Stream flow fairly low.
252-332	8-17-1987		e	e	e	0	0	1900	0			Low stream flow. Fish all in lower stream and intertidal area. A few jumpers out front - coho?
252-332	9- 2-1987		f	f	f	6	0	800	400			Includes carcasses (200 pinks and 102 chums).
252-332	10-29-1987		f	f	f	0	0	0	0			Nothing seen.
EAST DANGER CREEK 252-333	8- 7-1987	MALLOY	g	g	g	0	0	0	0			Looks blank.
252-333	9- 2-1987		g	g	g	0	0	1200	0	500P		Includes approximately 300 carcasses. Water very low in both streams.
NEW DANGER CREEK 252-335	8- 7-1987	MALLOY	g	g	g	0	0	0	0			Looks blank.
ARROWNAK RIVER 252-342	8-25-1987					0	0	0	0			Nothing seen.

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Appendix G.1. (page 6 of 44)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
MARKA BAY												
252-343	8- 1-1987		f	f	f	0	0	0	0	500P		Low stream flow. 12 schools of capelin or herring schooled off mouth.
252-343	8- 7-1987	MALLOY	e	e	e	0	0	4500	0	2000P	1000P	Stream water flow very low. Looks poor for fish.
252-343	8-17-1987		g	g	g	0	0	7100	0	1000P		Very low water in stream. Only 200 fish in upper river. 3 skiffs off mouth. 1 subsistence net out.
252-853	8-12-1987	MALLOY	f	f	f	0	0	0	0	6500P		
252-901	8- 7-1987	MALLOY	e	e	e	0	0	0	0			Stream flow o.k. Place looks very blank.
253	7-23-1987	MALLOY	p	p	p	0	0	0	0			Heavy runoff-river and bay very muddy. Counted 46 schools of herring-averaging 15 tons/school. All schools on bays east-side from Waterfall into points.
LITTLE RIVER												
253-115	8-22-1987	MALLOY	p	g	e	0	0	41000	0			Water flow good. 8,000 of stream fish in lagoon. Glare made survey questionable for accuracy-may be light on numbers.
253-115	10-29-1987	PROKOPOWICH	f	f	f	0	200	0	0			100 coho still near outlet of lake.
S. ARM UGANIK												
253-121	7- 8-1987	MALLOY	f	f	f	0	0	0	0			Water flow good. Several chums jumping at head of bay.
253-121	7-14-1987	MALLOY	p	p	p	0	0	0	0			Water flow fair. One seiner. Jumpers at head of bay.
253-121	7-28-1987	PROKOPOWICH	g	g	g	0	0	0	0	4800Ch		
253-121	7-28-1987	MALLOY	p	f	f	0	0	0	0		4000P	Couldn't see fish in stream. Chums must be way up - glare! Bay fish in outer bay schooled along east beach.
253-121	8-10-1987	MALLOY	f	p	g	0	0	16000	6000	5000P 2000Ch	26000P	Stream flow medium high, slightly cloudy. Stream about as high as I've seen it for this date. Pinks distributed in sampling areas. Chum primarily above and in sloughs. One seiner in bay. A lot of new fish in bay.
UGANIK RIVER												
253-122	6-26-1987	MALLOY	p	p	p	0	0	0	0			Heavy runoff has totally muddied up lake, river, and bay.
253-122	7- 8-1987	MALLOY	p	p	p	0	0	0	0			Lake, river and bay very muddy. Three seiners.

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Appendix G.1. (page 7 of 44)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
253-122	7-11-1987	MALLOY				0	0	0	0			Lake muddy, river muddy. Tribs to lake relatively clear, however no build-up of reds seen.
253-122	7-14-1987	MALLOY	p	p	p	0	0	0	0			Water flow very good. Stream and bay muddy. Three seiners.
253-122	7-15-1987	MALLOY	p	p	p	0	0	0	0			Lake, river and bay extremely turbid, muddy!! No sign of fish. Surveyed Uganik to Kupreanof gillnet sites-catches variable-got real exciting.
253-122	7-16-1987	MANTHEY	p	p	p	0	0	0	0			No survey - Glacial - Murky - Poor visibility
253-122	7-21-1987	PROKOPOWICH	p	p	p	0	0	0	0			Bay and river muddy. Four seiners fishing Packer's Spit.
253-122	7-23-1987	MALLOY	p	p	p	0	0	0	0			Heavy runoff - river and bay very muddy.
253-122	7-26-1987	MALLOY	p	p	p	0	0	0	0			Heavy runoff has totally muddied up river and bay.
253-122	7-28-1987	MALLOY	p	p	p	0	0	0	0	18000P		Bay build-up undoubtedly more - poor visibility on jumpers. Normal build-up areas light, just beginning. A few fish moving along Packer's Spit beach.
253-122	7-28-1987	PROKOPOWICH	f	f	f	35000	0	0	1000	22000P 3500Ch		Reds off tributaries - visibility poor.
253-122	8- 3-1987	PROKOPOWICH			p	0	0	30000	10000	1000P 500Ch		Poor visibility in bay.
253-122	8- 7-1987		f	f	f	0	0	10000	15000	36000P		Visibility not very good.
253-122	8-16-1987	MALLOY	f	f	g	4000	0	41000	7000	180000P		
253-122	8-18-1987		e	e	e	7700	0	52000	0	204000P		2,700 reds in tributaries, rest off shoals. Pinks in lower 1/3 of river, not too much above. Heavy build-up in bay.
253-122	8-22-1987	MALLOY	f	f	p	0	0	76000	0	6000P	28000P	Water flow excellent. Stream fish 80% in index area. Eventual escapement will be good. Fish in lower end beginning to spawn.
253-122	8-25-1987	MALLOY	f	f	g	0	0	76000	4000	10000P 2000Ch	85000P 2000Ch	Stream flow good, clearing up. Bay building again. Significant number new fish along outside spit.
253-122	9- 2-1987	PROKOPOWICH	g	g	g	0	0	160000	15000	20000P		Approximately 10,000 pinks above sampling area. Lower end of river well seeded.
253-122	10- 9-1987		g	g	g	0	800	0	0			Surveyed from Uganik Lake upstream 10 miles. All fish observed from 1 mile above lake to 6.5 miles upstream. Lower Uganik River and lake too turbid to survey. No bears observed upper section.

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Appendix G.1. (page 8 of 44)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
253-122	10-29-1987	PROKOPOWICH	g	g	g	0	1750	0	0			All fish observed were in lake tributaries. Past peak of spawning.
253-125	10- 9-1987		g	g	g	0	40	0	0	300Co		Visibility fair from lake outlet down to 2 miles above lagoon then visibility good. All fish in lagoon and lower 1.5 miles of river.
253-201	7-14-1987	MALLOY	e	g	g	0	0	0	50		28000P	Water flow good. Pinks beginning to show in build-up areas. Herring schools 37 at 10 tons average/school equals 370 tons.
253-203	9-18-1987	MALLOY	e	e	e	0	0	0	700			Chums 90% spawnouts, water flow good.
253-301	7-14-1987	MALLOY	p	p	p	0	0	0	0			Water flow very good. Stream and bay water muddy. Three seiners.
VIEKODA CREEK 253-321	8-10-1987	MALLOY	e	e	e	0	0	2600	0	400P		Stream flow o.k. No fish above rapids, still schooled in pools at lower end.
253-323	7-28-1987	PROKOPOWICH	g	g	g	0	0	0	0	4000P		
TERROR RIVER 253-331	7- 8-1987	MALLOY	f	f	f	0	0	800	0			Water flow good. Moderately turbid. Looks light. One seiner.
253-331	7- 9-1987	MALLOY				0	0	0	0		1000P	Bay looks bleak. Should be very noticeable build-up by now.
253-331	7-11-1987	MALLOY	f	g	g	0	0	0	0			Surveyed entire creek - light turbidity in stream.
253-331	7-14-1987	MALLOY	f	f	f	0	0	0	150			Water flow good. Should be pinks in creek. Two jumpers in bay. No schooled fish in build-up holes-looks bleak. Eight seiners in bay.
253-331	7-15-1987	MALLOY	p	f	g	0	0	0	0			River mildly turbid-A lot of runoff from river tribs. Estuary also turbid. No sign of fish.
253-331	7-21-1987	PROKOPOWICH	p	p	p	0	0	0	0			River and bay silty and muddy.
253-331	7-28-1987	MALLOY	p	p	p	0	0	900	150		2000P	Poor visibility between turbid water and heavy glare. Should be more fish in bay. Should have been more fish in lower river.
253-331	7-28-1987	MALLOY	p	f	f	0	0	0	0	4500P		Damn glare. Fish in stream - can't count them.
253-331	7-28-1987	PROKOPOWICH	f	f	f	0	0	2500	8000		25000P 2500Ch	Good show of incoming fish along east side of bay inside markers.

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Appendix G.1. (page 9 of 44)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
253-331	8- 3-1987	PROKOPOWICH	g	g	g	0	0	12000	5000		25000P	
253-331	8- 7-1987		f	f	f	0	0	5000	5000		15000P	
253-331	8-16-1987	MALLOY	f	f	f	0	0	21000	5500		18000P	
253-331	8-18-1987		g	g	g	0	0	14600	0	10000P		Poor stream survey due to other low flying aircraft.
253-331	9- 8-1987	PROKOPOWICH	e	e	e	0	0	60000	15000			Good distribution and water flow.
253-331	9- 8-1987	PROKOPOWICH	e	e	e	0	0	60000	15000			Good distribution and water flow.
253-331	10- 9-1987		g	g	g	0	50	0	0			Survey flats and upstream to river mile 3.5. All fish (50) seen in one hole 0.5 miles upstream from flats. No bears.
BAUMANN'S												
253-332	7-28-1987	PROKOPOWICH	g	g	g	0	0	200	0	2000P		
253-332	8-10-1987	MALLOY	e	e	e	0	0	14000	0	8000P	15000P	Stream flow excellent. 1/2 stream fish beginning to spawn. Excellent build-up. No seiners.
253-332	8-16-1987	MALLOY	g	g	g	0	0	12000	0	8000P	4000P	
253-332	8-18-1987		e	e	e	0	0	12000	0	10000P		Looks good.
253-332	9-18-1987	PROKOPOWICH	e	e	e	0	0	20000	0			50% morts.
253-332	9-18-1987	PROKOPOWICH	e	e	e	0	0	20000	0			50% mortalities.
CLARA'S CREEK												
253-333	7-28-1987	MALLOY	p	f	f	0	0	0	0	5300P		Glare
253-333	8-10-1987	MALLOY	e	e	e	0	0	100	0	50P		Stream flow o.k. Build-up fish previously seen are gone.
253-363	7- 8-1987	MALLOY	f	f	f	0	0	0	0			A lot of glare.
253-364	8-10-1987	MALLOY	e	e	e	0	0	2100	0	100P		Stream flow medium low. Looks pretty blank outside. No seiners working bay.
253-365	8-10-1987	MALLOY	g	g	g	0	0	11000	3600	2000P 4000Ch	16000P 51000Ch	Tremendous amount of fish in bay-should yield best chum escapement ever seen. Stream flow excellent to mainstream, chum fork and all sloughs. Chums built up on both sides of bay.
253-366	8-10-1987	MALLOY	e	e	e	0	0	4700	0	300P	3500P 1000Ch	Stream flow good. One beach seiner delivering.

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Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
253-367	8-10-1987	MALLOY	f	e	e	0	0	1400	100	2000P 2000Ch		Stream flow o.k. About 15,000 chum schooled near mouth. They will move into #365 eventually.
253-368	8-10-1987	MALLOY	e	g	g	0	0	50	300	2000Ch		12,000 chums schooled near mouth but these generally go up #365 slough creeks.
253-369	8-10-1987	MALLOY	f	e	e	0	0	200	0			Stream flow o.k.
253-371	8-10-1987	MALLOY	e	e	e	0	0	12800	8000	6000P 1200Ch	8000P 58000Ch	Bay tremendous. New balls of fish coming in. Fish schooled on both sides of bay. Stream flow o.k. Stream fish beginning to spawn, Excellent distribution. One seiner working. Gillnets heavy with fish.
253-372	8-10-1987	MALLOY	f	g	e	0	0	2000	0	6000P		This stream will get plugged. Stream flow o.k.
253-381	8-10-1987	MALLOY	e	e	e	0	0	0	0		50P	Stream flow intergravel.
253-382	8-10-1987	MALLOY	e	e	e	0	0	4200	100	100P 1600Ch	600P 12000Ch	Water flow intergravel as usual. Fish spawning in lower portion. 10% of stream fish spawnouts.
253-383	8-10-1987	MALLOY	e	e	e	0	0	800	400	200P 200Ch		
254	7-23-1987	MALLOY	p	p	p	0	0	0	0			Heavy runoff-river and bay very muddy.
254	7-23-1987	MALLOY	p	f	f	0	0	0	0		17000P	
254-115	7-29-1987	MALLOY	f	f	f	7000	0	0	0			Sockeye heavily into tributaries in spawning mode. Didn't count fish in tributaries, only those off mouth of each tributary: 2,000 off E., 3,000 off middle, 2,000 off W.
UYAK 201 CREEK												
254 201	7-26-1987	MALLOY	g	g	g	0	0	500	0	8000P		Stream fish in lower portion. Mouth fish heavily schooled on edge of delta.
254 201	8-18-1987		g	g	g	0	0	1600	0	2000P		
UYAK RIVER												
254 202	7- 9-1987	MALLOY	e	e	e	0	0	0	0		81000P	A lot of small schools moving along beach; a few build-ups at head of bay. Of total, 53,000 on bay's east side, 28,000 on west side. Surveyed gillnet sites in Uyak and Uganik - nothing extremely good; don't expect to get extreme build-ups off of early pinks.

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Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
254-202	7-26-1987	MALLOY	g	g	g	0	0	150	800	35000P	20000P	Stream fish in lower portion-chums primarily in east sloughs, mouth fish in channel on flats-heavily schooled, bay fish scattered in sloughs on buildup point on bays westside.
254-202	7-28-1987	MALLOY	e	e	e	0	0	3200	1100		42000P	Fish in pools primarily in lower 1/3 of sampling area. Bay build-up now located out on west flats farther than last time.
254-202	8- 3-1987	PROKOPOWICH	g	g	g	0	0	3500	1000	10000P		
254-202	8-18-1987		g	g	g	0	0	58500	0	20000P		Could be more off mouth. Poor visibility, glare.
254-202	9- 8-1987	PROKOPOWICH	e	e	e	0	0	93000	10000			Good water flow. Lots of bears. Excellent distribution.
254-202	9- 8-1987	PROKOPOWICH	e	e	e	0	0	93000	10000			Good water flow. Lots of bears. Excellent distribution
124 EAST UYAK CREEK												
254-203	7-23-1987	MALLOY	f	f	p	0	0	100	0		30000P	Bay visibility not real good-glare, chop.
254-203	7-26-1987	MALLOY	g	g	g	0	0	1000	0	20000P		Stream fish in lower portion. Mouth fish heavily schooled in channels of delta.
254-203	7-28-1987	MALLOY	f	f	f	0	0	3100	0	37000P		Heavy glare in stream - water good; a lot of fish will enter stream on next rain.
254-203	8- 3-1987	PROKOPOWICH	g	g	g	0	0	30000	0	8000P		
BROWN'S LAGOON												
254-204	8- 3-1987	PROKOPOWICH	g	g	g	0	0	2500	0			
254-204	9-18-1987	PROKOPOWICH	e	e	e	0	1500	8500	0			
254-204	9-18-1987	PROKOPOWICH	e	e	e	0	1500	8500	0			
ISLAND'S CREEK												
254-205	7-28-1987	MALLOY	p	p	p	0	0	0	0	17000P	2000P	Poor visibility in stream - glare - excellent build-up off mouth.
SHORT CREEK												
254-206	7-28-1987	MALLOY	f	f	f	0	0	0	0	3000P		Water o.k.
LONG CREEK												
254-207	7-28-1987	MALLOY	g	g	g	0	0	300	0	4500P	2000P	Fish schooled in lower end of creek. Mouth fish will enter stream next rain. Bay fish in several small schools of bright fish.
CABIN CREEK												
254-208	7-28-1987	MALLOY	f	f	f	0	0	500	0	1500P		Heavy glare in stream - water o.k.

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Appendix G.1. (page 12 of 44)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
ZACHAR RIVER												
254-301	7- 8-1987	MALLOY	p	p	p	0	0	0	0			Stream and bay muddy. 3 seiners. No jumpers inside bay.
254-301	7-28-1987	MALLOY	p	p	p	0	0	0	0	10000P		Still heavy silt load in stream - flew lower end-non-productive. Mouth also muddy. West intertidal build-up area had the fish.
254-301	8- 3-1987	PROKOPOWICH	g	g	p	0	0	10000	0			Poor visibility in bay. Jumpers, but couldn't see fish.
254-301	9-18-1987	PROKOPOWICH	e	e	e	0	8000	20000	5000			One seiner at markers, past peak on chums. Looks very good for coho.
254-301	9-18-1987	PROKOPOWICH	e	e	e	0	8000	20000	5000			One seiner at markers, past peak on chums. Looked very good for coho.
254-301	10- 9-1987		p	p	p	0	0	0	0			River too turbid. No survey.
254-301	10-29-1987	PROKOPOWICH	g	g	g	0	3750	0	0			Fish spawning. Looks like it is past peak of spawning.
N.E. ZACHAR CREEK												
254-302	7-28-1987	MALLOY	p	p	p	0	0	0	0			Nothing showing-poor visibility in build-up area.
SPIRIDON RIVER												
254-401	7-28-1987	MALLOY	p	p	p	0	0	0	0			System/mouth/and build-up areas very muddy.
254-401	10- 9-1987		p	p	p	0	160	0	0			Surveyed from Bay upstream 11 miles. Water turbid, visibility poor. East tributary at river mile 10.5 visibility excellent. All coho in lake and stream. Three bears at lake outlet.
254-401	10-29-1987	PROKOPOWICH	e	e	e	0	3900	0	0			Good distribution in sloughs. Past peak of spawning.
CHIEF COVE												
254-404	7-29-1987	MALLOY	g	g	g	0	0	450	0	200P		Fish in mouth dark. Water flow low.
255	7-26-1987	MALLOY	g	g	g	0	0	0	0	28000R		Reds schooled primarily in 3 locations: 15000+ in channel to King Hole, 9000+ in West hole 1/2 way down lagoon and plus or minus 4000 in entire hole. Nothing showing on outside.
255	7-28-1987	MALLOY	e	e	e	0	0	0	0	23000R		Lagoon build-up only, of which 12,500 in gut at King Hole.
EARLUK RIVER												
255-101	8- 3-1987	MALLOY	e	e	e	0	0	0	0	9000R		All fish in lagoon of which 3000 in King Hole, 5000 in W. Lagoon Hole, and 2000 in Mouth Hole and mouth. Excellent visibility in lagoon. Each run of lagoon had 5 jumpers.

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Appendix G.1. (page 13 of 44)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
255-101	8-18-1987	MALLOY	p	f	f	15000	0	0	0	3000R	10000R	Lagoon: 1 jumper; mouth 3 jumpers; bay-5+ jumpers. Quick look at lagoon and off mouth - seems relatively fishy although lagoon looks light.
255-101	8-25-1987	MALLOY	g	g	p	56000	0	0	0	5000R		Lagoon visibility fairly good. Lagoon fish: 25,000 from King Hole up, older fish. 20,000 of remaining fish very bright. Light sign on outside-choppy water.
255-101	9- 5-1987	MALLOY	e	g	f	0	0	0	0	72000R 2000Co		Lagoon looks fishy - 22 jumpers! Est. 36,000 fish in lagoon below King Hole; 38,000 from King Hole to river. Two jumpers outside lagoon - otherwise no fish seen-looks relatively sparse.
255-101	9- 8-1987	PROKOPOWICH	g	g	g	59000	6500	0	0			Little show off mouth. Only few scattered jumpers from Cape Uyak to Lagoon entrance. Nothing seen at Tanglefoot. All fish below weir in lagoon
255-101	9- 8-1987	PROKOPOWICH	g	g	g	59000	6500	0	0			Little show off mouth. Only few scattered jumpers from Cape Uyak to lagoon entrance. Nothing seen at Tanglefoot. All fish below weir.
255-101	9-18-1987	PROKOPOWICH	e	e	e	27000	15000	0	0			Excellent visibility. Most fish in upper lagoon and King Hole. Very little show off lagoon entrance.
255-101	9-18-1987	PROKOPOWICH	e	e	e	27000	15000	0	0			Excellent visibility. Most fish upper lagoon and King Hole. Very little show off lagoon entrance.
255-101	10- 9-1987		g	g	g	0	50000	0	0			10,000 coho at outlet Karluk Lake. 40,000 coho between two and four miles below outlet. Surveyed from outlet down to 1 mile below portage.
256-	7-28-1987	MALLOY	p	p	p	0	0	0	0		6500R	Moderate show off mouth in muddy water. Several jumpers in mud and down north beach.
RED RIVER 256-201	7-29-1987	SCHMIDT	p	p	p	0	0	0	0			Poor visibility - no counts
256-201	7-29-1987	SCHMIDT	p	p	p	0	0	0	0			Poor visibility offshore and in lagoon. No counts made.
256-201	8-25-1987	MALLOY			p	0	0	0	0			Bay very muddy. Two jumpers off mouth. Didn't look too fishy.
CAJALUM CREEK 256-301	9- 5-1987	MALLOY	g	f	e	0	150	8600	0		100Co 600P	60% pinks carcasses, suspect most spawnouts. Coho in lower end of stream - looks a little light on coho. Water flow good.
256-301	9- 8-1987	PROKOPOWICH	g	g	g	0	500	0	0			Most fish in north portion of lagoon.
256-301	9- 8-1987	PROKOPOWICH	g	g	g	0	500	0	0			Most fish in north portion of lagoon.
RED RIVER BAY 256-302	9- 5-1987	MALLOY	e	g	f	0	0	0	0			Jumpers (2) in lagoon. Nothing visible.

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Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
256-302	9- 8-1987	PROKOPOWICH	g	g	g	0	150	0	0			
256-302	9- 8-1987	PROKOPOWICH	g	g	g	0	150	0	0			
GRANT'S LAGOON CREEK												
256-303	9- 8-1987	PROKOPOWICH	g	g	g	0	800	0	0			Off mouth of #302.
STURGEON RIVER												
256-401	6-13-1987		g	g	g	0	0	0	0	500Ch		All fish observed in south end of lagoon near terminus of S. Sturgeon River.. 9:00 p.m. tide low, no jumpers.
256-401	7- 3-1987		g	g	g	0	0	0	1000	15000Ch		Surveyed all of South Sturgeon main fork. All fish located in stream just below forks and in canyon, buildup of 15k off mouth of South Sturgeon. Low tide.
256-401	7- 4-1987		p	p	p	0	0	0	1000	5000Ch		Surveyed all S. fork concentrations same as 7/3 only 5k estimate in lagoon.. Visibility bad - wind chop, mid tide.
256-401	7-14-1987		g	g	g	0	0	0	0	1000Ch		*Scattered fish forks on up in main stem and south fork. Visibility in lagoon good. Some jumpers. Estimate most fish from 7/3 observation located upstream.
												*No Estimate
256-401	9- 8-1987	PROKOPOWICH	g	g	g	0	7000	0	0			
256-401	9- 8-1987	PROKOPOWICH	g	g	g	0	7000	0	0			
257	7-23-1987	MALLOY	g	g	g	1000	0	14000	1000	2000R 17000P 3000Ch		Stream distribution: 8000 fish in W. fork, 8000 fish in E. fork. Build-up distribution: (mixed fish) Horse Marine 0 (1 jumper), Iversons 0 (1 jumper), Talifsons 0 (jumpers), Flats 22000, North Beach 0.
257	7-23-1987	MALLOY	g	g	g	0	0	100	0			Fish in lower 500' of stream. No visible build-up on flats.
257	7-26-1987	MALLOY	g	e	e	6000	0	0	0	12000R		Lagoon: 6000; Lagoon visibility excellent, remainder of stream glare. 12000 off mouth, 2+ jumpers in vicinity of mouth. Surveyed cabin point to lake: Reds building -small little schools. Escapement distribution: 45000 sockeye on southeast beach off of lake tributary of which 15000 preparing to spawn on shoals; 20000 balled along shoals-uncertain spawning area. Another 10000 spread at lake outlet; another 15000 in lower lake schooled at mouth to middle tributary.

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Appendix G.1. (page 15 of 44)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
257	7-26-1987	MALLOY	e	e	g	2000	0	21000	3000	5000R 68000P 50000Ch		Stream distribution: 15000 fish in west fork below weir; 11000 in east fork below weir. Buildup distribution: (mixed fish) Horse Marine 1000, Iversons 1100, Talifsons Bight 33000, Flats 23000, North Beach 0, 10 jumpers between Simeonoff's gillnet site and closed water marker. Several little small schools on sandy beaches. Looks pretty fishy. Small schools of sockeye from Omlid's Spit west to small Humpy Creek.
LITTLE SUKHOI 257-101	7- 8-1987	MALLOY	e	e	e	0	0	0	0			Water flow low.
BIG SUKHOI 257-102	7- 8-1987	MALLOY	e	e	e	0	0	0	0	8000Ch		Water flow low. Fish in lagoon channel.
257-102	7-16-1987	MANTHEY	p	p	p	0	0	0	0			Several jumpers in lagoon but no count. Too muddy-no sun. Dropped mail at Upper Station off mouth.
257-102	7-26-1987	MALLOY	e	e	e	0	0	2500	0	48000P		Stream distribution: scattered in lower portions. Water flow very good. All remaining chums schooled near tributary mouth on lagoon flats. 8000 dark, the remainder bright.
SILVER SALMON CREEK 257-303	7-28-1987	MALLOY	e	e	e	0	0	0	0		6000R	Fish schooled at mouth of tributary. Still reasonably bright.
257-303	8-25-1987	MALLOY	g	g	g	0	0	0	0	300Co		Lagoon looked blank.
UTER STATION 257-304	7- 8-1987	MALLOY	f	f	f	100	0	0	0			Glare - No jumpers seen off mouth or along beach.
257-304	7-28-1987	MALLOY	e	e	e	0	0	0	0		15000R	From Silver Salmon Lagoon to Cabin Spit tallied 9 jumpers in addition to fish seen. Looks excellent. Reds on shoreline not bright.
257-304	7-28-1987	MALLOY	e	e	e	34000	0	300	0	18000R		Reds in stream 16,000; in lagoon 18,000. At least 18,000 off mouth - several jumpers in air at once. Looks very fishy. Fish also in small schools.
257-304	8- 3-1987	PROKOPOWICH	g	g	g	4000	0	0	0	8000R		Reds in stream are below weir in lagoon.
257-304	8- 8-1987	LECHNER				0	0	0	0			Good show off of mouth. 6-8 jumpers off mouth at once.
257-304	8-25-1987	MALLOY	g	g	g	16000	0	0	0	10000R		All fish in lagoon-remainder of streams not very fishy. 4-5 jumpers at once off mouth.
HORSE MARINE 257-402	7- 8-1987	MALLOY	g	g	g	0	0	0	0			Water flow fairly good. One jumper in lagoon. Seven jumpers between Burkholder's and Chip Cove.

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Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
257-402	7-14-1987	MALLOY	g	f	f	800	0	0	0	200R		Water flow good. Of stream fish: 500 at lake outlet, 300 in outlet stream.
257-402	7-26-1987	MALLOY	f	f	f	3200	0	1000	0	500P		Stream distribution: Reds 2000 schooled off tributary, 800 at lake outlet, 200 mixed with pinks at stream entrance. Pinks-1/2 at stream entrance, 1/2 in stream.
257-402	8-25-1987	MALLOY	g	g	g	3200	0	600	0			Sockeye schooled off tributary (90%) and near outlet (10%). Outside show: Only 1 jumper from Mullen's to Burkholder's site.
257-402	9- 5-1987	MALLOY	e	f	g	8400	0	3000	0	200Co		60% pinks spawnouts; coho in lagoon; 7,400 reds schooled off main trib, 1,000 reds shoal spawners. Water flow good mainstem and tribs. Jumpers (coho) outside lagoon.
DOG SALMON												
257-403	6-16-1987	PROKOPOWICH	p	p	p	0	0	0	0	20500R		Breakdown: Horse Marine to Iverson's 12,000, Flats 5,000, Mouth to Omlid's Spit 3,500. Actual total could be as high as 60,000.
257-403	7- 8-1987	MALLOY	g	g	e	3500	0	4000	500	16000R 13000P		West fork: 3,500 reds, 2,000 pinks, 500 chums; E. fork: 2,000 pinks; Flats 9,000 pinks, 9,000 reds; North beach 0; Iverson's 3,000 pinks 2,000 reds; Horse Marine 4,000 reds; Morrie's cabin 1,000 pinks, 1,000 reds.
257-403	7-14-1987	MALLOY	g	p	p	5000	0	10000	200			West fork-2,000 reds, 10,000 pinks, 20 chums. East fork 3,000 reds; Flats 1 jumper; North beach 0, Iversons 0, Horse Marine 1 jumper, Chip Cove 0.
257-403	7-29-1987	SCHMIDT	e	e	e	0	0	0	0	3500Ch		
257-403	8- 3-1987	PROKOPOWICH	g	g	p	0	0	25000	0			Below weir of which 17,000 pinks, west fork, 8,000 pinks east fork, Poor visibility in bay.
CHIP COVE CREEK												
257-405	7-23-1987	MALLOY	g	g	g	0	0	0	0			Nothing showing inside cove, however 1 jumper by build-up spit.
257-405	7-26-1987	MALLOY	e	e	e	0	0	0	0			No jumpers. No schooled fish.
257-405	7-28-1987	MALLOY	e	e	e	0	0	0	0	6000R		Fish schooled off beach seiner beach northeast of cannery. Gillnets on eastside and on westside. Moderately good sockeye show.
DEADMAN RIVER												
257-502	7-14-1987	MALLOY	e	e	e	0	0	0	0			Water flow fair. Seven seiners from Deadman to Shag Bluff.
257-502	7-23-1987	MALLOY	f	f	f	0	0	100	0	3000P		Fish in stream's lower end.

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Appendix G.1. (page 17 of 44)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
257-502	7-26-1987	MALLOY	e	e	e	0	0	4000	2000	8000P 4000Ch		Stream distribution: Chums scattered below forks - none at beaver ponds. Pinks schooled in intertidal. Mouth fish: chums schooled off of cabin, pinks strung out along north shore. Small schools on sandy beaches along north beach.
257-502	7-28-1987	MALLOY	e	e	e	0	0	3800	1200	3000P 2000Ch	41000P	Bay building-numerous schools of bright fish on both sides of bay 1-2 miles out from stream. Water flow in stream o.k. Chums hard to see. Not in their normal haunts.
257-502	8- 2-1987	MANTHEY	f	f	f	0	1000	48000	1000			
257-502	8- 3-1987	PROKOPOWICH	g	g	g	0	0	11000	500		15000P	
257-502	8- 8-1987	LECHNER				0	0	0	0			New fish coming into bay. Looks good inside bay. Jumpers all the way into bay.
257-502	8-18-1987		g	g	g	0	0	47500	0			No good survey of bay. Some small schools and jumpers along east shore so new fish moving in. Could be mixed chum in river.
257-502	8-25-1987	MALLOY	g	g	f	0	0	47000	3500	2000P	12000P	Stream flow fair. Escapement distribution fairly good-heaviest below forks and lowest portions of forks.
257-502	9-18-1987	PROKOPOWICH	e	e	e	0	8000	104000	20000			20% morts. Excellent escapement and distribution lower 2/3 of river and sloughs.
257-502	9-18-1987	PROKOPOWICH	e	e	e	0	8000	104000	20000			20% morts. Excellent escapement and distribution lower 2/3 of river and sloughs.
ALPINE COVE CREEK 257-503	8-18-1987		g	g	g	0	0	6100	0			Fish in lower river.
257-503	8-25-1987	MALLOY	f	f	f	0	0	0	0			Only looked on flats and in bay. Light rain squall ruined visibility.
257-501	7-14-1987	MALLOY	g	g	g	0	0	0	0			Water flow low. Herring: 1-60 tons, 1-40 tons, 1-80 tons.
H.E. PORTAGE 257-601	7-14-1987	MALLOY	e	e	e	0	0	0	0			
ARBOA PINK CREEK 257-602	7-28-1987	MALLOY	e	e	e	0	0	3200	0	200P	18000P	Heaviest build-up seen off this creek-water in stream getting low.
257-602	8-18-1987		e	e	e	0	0	25000	0	8000P		Looks plugged. Fish all the way to canyon.
257-602	8-25-1987	MALLOY	g	g	e	0	0	0	0	13000P		Didn't survey stream. Fish off mouth are getting dark and old. Stream water flow not good.

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Appendix G.1. (page 18 of 44)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
257-602	9- 5-1987	MALLOY	g	e	f	0	0	41000	0			60% carcasses, suspect very heavy pre-spawn mortality. Water flow fair.
SULUA CHUM CREEK												
257-603	7-28-1987	MALLOY	e	e	e	0	0	100	0		7000P	Good build-up on east beach from mouth. Water o.k.
257-603	8- 8-1987	LECHNER				0	0	0	0			50-60 jumpers between Sulua and Portage Bays.
257-603	8-18-1987		g	g	g	0	0	2000	8700	15000Ch	25000Ch	Heavy show in bay. No good estimate. A lot of schools and jumpers along west shoreline.
257-603	8-25-1987	MALLOY	e	e	e	0	0	24500	1000	2000P		Poor bay survey-only looked close to streams-missed chum build-up. Stream flow getting little better 2,500 dead fish in stream-prespawn mortalities.
257-603	9- 5-1987	MALLOY	e	g	f	0	0	43000	0	13000P		70% carcasses (all pinks), suspect pre-spawn mortality. Water flow very good.
257-603	9-18-1987	PROKOPOWICH	e	e	e	0	0	40000	15000			50% morts.
257-603	9-18-1987	PROKOPOWICH	e	e	e	0	0	40000	15000			50% mortalities.
TOM'S CREEK												
257-604	7-28-1987	MALLOY	e	e	e	0	0	0	0	2100P	52000P	Tremendous build-up. Small schools of fish along beach moving west. Stream flow poor-needs water bad.
257-604	8- 8-1987	LECHNER				0	0	0	0			Jumpers all along beach.
257-604	8- 8-1987	LECHNER				0	0	0	0			Good show along beach-several jumpers. Approximately 15 schools at 800/1,000/school along beach.
HUMPY RIVER												
257-701	7-16-1987	MANTHEY	f	f	f	0	0	250	0			Not much. Three bears below canyon. No fish or bears in canyon.
257-701	7-16-1987	MANTHEY	f	f	f	0	0	0	0			Fogged in - No survey.
257-701	7-23-1987	MALLOY	e	p	e	0	0	8000	0			Only surveyed below canyon. Very turbulent inland. Poor visibility off mouth because of surf, chop and glare.
257-701	7-26-1987	MALLOY	e	e	e	0	0	119000	0	62000P		Stream distribution: 96000 above canyons; 15000 in canyon; 8000 below canyons. Fish off mouth very bright-heavily schooled at mouth and along east beach.
257-701	7-28-1987	MALLOY	e	e	e	0	0	9500	0	6000P	8000P	Bay fish along east beach/mouth fish out of reach of jitney fishermen/stream fish primarily in lowest pool and uppermost pools prior to canyon. Didn't survey canyon. 28 seiners from Seaborg Cove to Humpy Cove.
257-701	7-29-1987	SCHMIDT	e	e	e	0	0	0	0			None observed

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Appendix G.1. (page 19 of 44)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
257-701	8- 3-1987	PROKOPOWICH	e	e	e	0	0	62000	0	16000P		
257-701	8- 8-1987	LECHNER				0	0	0	0			Stream looks excellent-lower end. Few small schools of new fish off mouth. Still jumpers between Russian Harbor and Walt's Creek.
257-701	8- 8-1987	LECHNER				0	0	0	0			Looks blank on outside. Nothing along beach.
257-701	9- 5-1987	MALLOY	e	g	f	0	0	179000	0			50% carcasses of which most were probably spawnouts-very good water flow-was fairly good all season. Fish distribution: 74,000 below canyon; 105,000 canyon up. Lower river heavy spawning, fish still schooled; very late spawning. Upper river heavy carcasses. Excellent escapement.
257-701	9-18-1987	PROKOPOWICH	e	e	e	0	0	45000	0			Live count lower and still spawning. No estimate on carcasses.
257-701	9-18-1987	PROKOPOWICH	e	e	e	0	0	45000	0			Live count lower and still spawning. No estimate on carcasses.
SHAG BLUFF CREEK												
257-702	7-28-1987	MALLOY	e	e	e	0	0	0	0	1800P	3000P	Creek water intergravel at low water; stream needs water bad.
SEABORG BAY CREEK												
257-703	7-28-1987	MALLOY	e	e	e	0	0	0	0	1200P		4 seiners working cove. Creek water low.
258	7-23-1987	MALLOY	e	e	e	0	0	41000	0	6000P	4000P	Stream distribution: 22000 below forks, 8000 in east fork and 11000 in west fork. Mouth fish laying right in mouth-dark. Bay fish strung along north point in kelp. Small schools of bright fish moving along beach. Didn't survey upper reaches of streams.
KILIUDA BAY												
258-20	7-28-1987	PROKOPOWICH				0	0	0	0		1000P 2500Ch	Additional 3,000 pinks and chums by Kiliuda Spit. 4,000 chums N. Arm.
SHEARWATER BAY CREEK												
258-202	7-14-1987	MALLOY	e	e	e	0	0	0	0			Jumper in bay - water flow low.
258-202	8-12-1987	MALLOY	e	e	e	0	0	0	0			Stream intergravel.
258-202	8-25-1987		f	f	f	0	0	400	0			Chums all in sloughs.
258-202	9-18-1987	MALLOY	e	e	e	0	0	0	50			Chums all spawnouts. Water flow good.
PORT OTTER CREEK												
258-203	8-12-1987	MALLOY	e	e	e	0	0	0	0		8500Ch	Stream flow o.k. Balled chums in bay.
PORT BAY CREEK												
258-204	8- 3-1987	PROKOPOWICH	f	f	f	0	0	0	0	800Ch	1500Ch	

-Continued-

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
258-204	8-12-1987	MALLOY	p	p	p	0	0	0	0			Beach poor visibility, choppy/glare. Stream flow fair.
258-204	9-18-1987	MALLOY	e	e	e	0	0	0	3200			Chums 60% spawnouts. Good spawner distribution; upper reaches of stream - water flow only fair, spawner density low.
COXCOMB POINT CREEK												
258-205	8-12-1987	MALLOY	p	p	p	0	0	0	0			Beach riled up, heavy glare in stream and bay. Sloughs empty.
258-205	8-25-1987		f	f	f	0	0	3300	0			Chums in sloughs and stream (258-204). Fish spawning
258-205	9-18-1987	MALLOY	e	e	e	0	0	0	6100			Chums 60% spawnouts, good spawner distribution. All sloughs good spawner density.
N. KILIUDA CREEK												
258-206	7-28-1987	PROKOPOWICH	e	e	e	0	0	0	0			
258-206	8-12-1987	MALLOY	g	g	g	0	0	6000	400			Stream flow excellent as always. Needs more fish.
258-206	8-25-1987		f	f	f	0	0	2200	0			Fair water flow. Fish all spawning in tidal sloughs.
258-206	9-18-1987	MALLOY	g	e	e	0	0	200	2400			Chums peak spawning. Pinks 60% spawnouts.
W. KILIUDA CREEK												
258-207	8-12-1987	MALLOY	g	g	g	0	0	11000	3000	2000P 1000Ch	24000Ch	Stream flow o.k. Needs more pinks. Chum escapements will be good.
258-207	9-18-1987	MALLOY	e	e	e	0	0	400	7900			Pinks 80% spawnouts. Chums 60% spawnouts, Index fork heavy with chums. Water flow good.
DUKALUK CREEK												
258-208	9-18-1987	MALLOY	e	e	e	0	200	0	1600			Chums peak spawning; coho in lagoon entrance. Water flow good.
DEER CREEK												
258-209	8-12-1987	MALLOY	p	p	p	0	0	0	0			Poor visibility, glare, choppy water, shadows.
258-209	9-18-1987	MALLOY	f	g	g	0	0	200	0			Pinks 1/2 spawnouts - water flow good.
KILIUDA SPIT CREEK												
258-210	8-12-1987	MALLOY	p	p	p	0	0	0	0			Stream flow low. Build-up area bleak.
258-210	9-18-1987	MALLOY	e	e	e	0	0	0	0			Water fair.
MAKKEK GROVE CREEK												
258-211	8-12-1987	MALLOY	g	g	f	0	0	0	0			Stream flow o.k. Beaches look bleak.
258-211	9-18-1987	MALLOY	e	e	e	0	0	0	75			Jumpers off mouth. Water flow good.

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Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
PIVOT POINT												
258-212	8-12-1987	MALLOY	g	g	f	0	0	0	0			Stream flow o.k. Beaches look bleak.
258-212	9-18-1987	MALLOY	e	e	e	0	0	0	1100			250 were schooled in lagoon. Peak spawning. Water flow good.
BEAR CAMP CREEK												
258-213	8-12-1987	MALLOY	g	g	f	0	0	0	0			Stream flow o.k.
MCCORD BEACH												
258-302	9-17-1987	MALLOY	e	e	e	0	0	0	200			Water flow fair. No carcasses.
258-302	9-17-1987	MALLOY	e	e	e	0	0	0	200			Water flow fair. No carcasses.
GHOST ROCKS CREEK												
258-304	8-18-1987		g	g	g	0	0	0	0	100P		
258-304	9-17-1987	MALLOY	e	e	e	0	0	200	100			Water flow fair. No carcasses.
258-304	9-17-1987	MALLOY	e	e	e	0	0	200	100			Water flow fair. No carcasses.
FUGITIVE CREEK												
258-307	7-14-1987	MALLOY	e	e	e	0	0	0	0			Water flow fair.
258-307	8-12-1987	MALLOY	g	g	g	0	0	0	100	50Ch	250Ch	Stream flow fair - Beach looks bleak.
TANGINAK CREEK												
258-309	8-12-1987	MALLOY	e	e	e	0	0	0	0			Slough has good water flow.
258-313	9-18-1987	MALLOY	e	e	e	0	0	0	0			Water flow fair.
OCEAN BEACH												
258-401	7- 8-1987	MALLOY	g	p	p	0	0	0	0			Water flow fairly good.
258-401	7-14-1987	MALLOY	e	e	e	0	0	0	0			Water flow fairly good.
258-401	7-28-1987	PROKOPOWICH	g	g	g	300	0	0	0	2000R		
258-401	9-17-1987	MALLOY	e	e	e	8100	250	0	0			
258-401	9-17-1987	MALLOY	e	e	e	8100	250	0	0			
258-404	9-17-1987	MALLOY	e	e	e	0	0	0	0			Log jam barrier to fish. Water flow not good.
258-404	9-17-1987	MALLOY	e	e	e	0	0	0	0			Log jam barrier to fish. Water flow not good.
ROLLING BAY												
258-511	9-17-1987	MALLOY	e	e	e	0	0	0	4200			Chums 50% spawnouts. Water flow o.k.
258-511	9-17-1987	MALLOY	e	e	e	0	0	0	4200			Chums 50% spawnouts. Water flow o.k.
NATALIA BAY												
258-512	9-17-1987	MALLOY	e	e	e	0	0	0	1500			Water flow fair. 30% of chums still spawning, remainder spawnouts.
258-512	9-17-1987	MALLOY	e	e	e	0	0	0	1500			Water flow fair. 30% of chums still spawning, remainder spawnouts.

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Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
NEWMAN BAY												
258-513	9-17-1987	MALLOY	e	e	e	0	0	0	350			Water flow o.k. Jumper (coho) in bay.
258-513	9-17-1987	MALLOY	e	e	e	0	0	0	350			Water flow o.k. Jumper (coho) in bay.
NATALIA CABIN CREEK												
258-514	9-17-1987	MALLOY	e	e	e	0	0	0	100			25% of chums still spawning,, remainder spawnouts. Water flow fair.
258-514	9-17-1987	MALLOY	e	e	e	0	0	0	100			25% of chums still spawning, remainder spawnouts. Water flow fair.
DRY CREEK												
258-515	9-17-1987	MALLOY	e	e	e	0	0	0	0			Water flow not good.
258-515	9-17-1987	MALLOY	e	e	e	0	0	0	0			Water flow not good.
OUTSIDE CREEK												
258-516	9-17-1987	MALLOY	e	e	e	0	0	0	75			Water flow fair.
258-516	9-17-1987	MALLOY	e	e	e	0	0	0	75			Water flow fair.
MIDWAY CREEK												
258-521	8- 3-1987	PROKOPOWICH	g	g	g	0	0	0	0	4000P		
258-521	9-17-1987	MALLOY	e	e	e	0	6300	3400	1100			Stream looks excellent for fish and water flow. Two skiffs with net getting subsistence fish 1/4 mile up creek.
BARLING CREEK												
258-522	7-28-1987	PROKOPOWICH	g	g	g	0	0	1500	50		2000P	
258-522	8- 3-1987	PROKOPOWICH	g	g	g	0	0	1500	0		5500P	
258-522	8-18-1987		g	g	g	0	0	11600	0	8000P		Pinks up to upper sample site. Bright fish in mouth and bay.
258-522	8-25-1987	MALLOY	e	e	f	0	0	12500	500	5000P 500Ch	5000P	Stream flow fairly good. 80% of fish from first two riffles to intertidal. Bay build-up on eastern side of bay. Poor visibility along west shoreline.
258-522	9-17-1987	MALLOY	e	e	e	0	175	9600	5800	50Co 4000P		Water flow good. 25% of pinks spawning, remainder spawned out. Jumper (coho) in bay.
258-522	9-17-1987	MALLOY	e	e	e	0	175	9600	5800	50Co 4000P		Water flow good. 25% of pinks spawning, remainder spawned out. Jumper (coho) in bay.
N.E. THREE SAINTS												
258-533	8-25-1987	MALLOY	f	g	e	0	0	0	0			Stream flow low. Looks blank.
KAIUGNAK POINT												
258-541	8-18-1987		e	e	e	0	0	500	0	1300P		Low water.
258-541	8-25-1987	MALLOY	e	e	e	0	0	0	0	2300P		Stream flow low.
KAIUGNAK LAGOON												
258-542	8- 8-1987	LECHNER				0	0	0	0			Nothing in bay.

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Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
258-542	8-18-1987		e	e	e	0	0	6800	0	1500P		Looks fairly well seeded. Water flow fair.
258-542	8-25-1987	MALLOY	f	f	f	0	0	11000	0	2000P	4000P	Stream flow fairly low. Prespawn mortality equalled approximately 3,000 fish.
258-542	9-18-1987	PROKOPOWICH	e	e	e	0	0	5000	1500			70% morts.
258-542	9-18-1987	PROKOPOWICH	e	e	e	0	0	5000	1500			70% morts.
BRUIN CREEK												
258-544	8-18-1987		e	e	e	0	0	2200	0	3500P		Looks good. Fish in lower stream.
CAPE KIAVAK												
258-552	9-5-1987	MALLOY	f	g	g	0	0	6700	0	200P		20% carcasses, suspect most pre-spawn mortality- still balls of live fish in pods; water flow fair.
KNOLL POINT CREEK												
258-553	9-5-1987	MALLOY	f	g	g	0	0	1700	0			50% carcasses, suspect most pre-spawn mortality. Water flow fair.
KAGUYAK BAY CREEK												
258-602	7-23-1987	MALLOY	g	g	g	0	0	0	0			Nothing visible.
258-602	9-5-1987	MALLOY	e	e	e	0	0	11000	0	8000P		20% pinks spawnouts, 1,500 of chum schooled in lagoon. Water flow good.
KAGUYAK FOX CREEK												
258-603	9-5-1987	MALLOY	e	e	e	0	0	800	0	300P		40% pinks spawnouts. Water flow good.
SEVEN RIVERS												
258-701	7-26-1987	MALLOY	e	e	e	0	0	68000	0	4000P	10000P	Stream distribution: 28000 below forks; 25000 in north fork; 15000 in west fork. All fish heavily schooled in pools.
258-701	7-29-1987	SCHMIDT	e	e	e	0	0	62000	0		5500P	51,000 right fork, 11,000 left fork. 2 seiners.
258-701	8-3-1987	PROKOPOWICH	e	e	e	0	0	78000	0			
258-701	9-5-1987	MALLOY	e	e	e	0	0	144000	0	4200P		40% carcasses, suspect most pre-spawn mortality. Pre-emergent work critical for this system. Fish distribution: 50,000 W. Fork, 54,000 North Fork. 40,000 below forks. Still bright fish.
WALTER'S CREEK												
258-702	9-5-1987	MALLOY	e	e	e	0	0	14300	0			40% carcasses, suspect heavy pre-spawn mortality. Water flow very good.
TUGHDAK CREEK												
258-853	9-18-1987	PROKOPOWICH	g	g	g	0	35	0	0			
258-853	9-18-1987	PROKOPOWICH	g	g	g	0	35	0	0			
KEVIN CREEK												
258-903	9-18-1987	PROKOPOWICH	g	g	g	0	0	0	500			75% mortalities.
258-903	9-18-1987	PROKOPOWICH	g	g	g	0	0	0	500			75% morts.

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Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
MONASHKA CREEK												
259-101	7-21-1987	PROKOPOWICH	g	g	g	0	0	0	0	100P	400P	
259-101	8-16-1987	MALLOY	e	g	f	0	0	150	0	200P		
259-101	8-17-1987		g	g	g	0	0	0	0	400P		Stream dried up.
259-101	9-18-1987	MALLOY	e	f	f	0	0	70	0			Water flow O.K.
PILLAR CREEK												
259-102	7-21-1987	PROKOPOWICH	g	g	g	0	0	0	0	125P		
259-102	8-16-1987	MALLOY	f	f	f	0	0	50	0		300P	Water flow in stream low-intergravel above lagoon.
259-102	8-17-1987					0	0	198	0			Survey by Bruce Burns. Two tagged dolly varden in first hole below spillway. Next three pools contain numerous dead pinks, also approximately 141 dead fingerlings, possibly dolly varden. First quarter of creek still contains water. Middle half of creek dry. Last quarter of creek still contains water. Upper 3/4 of creek not accessible to fish. A few jumpers along west beach. No stream flow in creek. Water shut off.
259-102	8-17-1987		g	g	g	0	0	300	0	1500P		
259-103	8-16-1987	MALLOY	f	f	f	0	0	0	0			
259-201	9-18-1987	MALLOY	e	g	g	0	50	200	2800			Water flow good. Pinks 50% spawnouts, chum 30% spawnouts.
BUSKIN RIVER												
259-211	7-14-1987	MALLOY	e	g	g	475	0	0	0			Only surveyed lake. Reds: 400 off main trib., 50 off remaining tribs, 100 along south shoal.
259-211	7-21-1987	PROKOPOWICH	e	e	e	10500	0	0	0			
259-22	7-28-1987	PROKOPOWICH	g	g	g	0	0	0	0		15000P	2 seiners, 2 beach seiners.
SARGENT'S CREEK												
259-221	8-25-1987		g	g	g	0	0	800	0			Count includes 500 carcasses:
RUSSIAN RIVER												
259-222	8-1-1987		p	p	p	0	0	300	0			Poor visibility. Poor light at end of survey.
259-222	8-25-1987		g	g	g	0	0	18200	0			Fish heavy below bridge.
SOLONIE CREEK												
259-223	8-25-1987		f	f	f	0	0	5100	1000			Fish spawning on redds.
259-223	10-19-1987		g	g	g	0	317	0	0			Foot survey.

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Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
AMERICAN RIVER												
259-231	7-11-1987	MALLOY	e	e	e	0	0	0	0			Water flow very good.
259-231	7-16-1987	MANTHEY	f	f	f	0	0	800	0			All below bridge in one riffle.
259-231	7-23-1987	MALLOY	e	e	e	0	0	100	0			Fish in lower end-nothing off mouth. Chums still not visible.
259-231	7-27-1987	MALLOY	e	e	e	0	0	300	0	200P	44000P	Fish in lower portion of river; chums (early) still not visible in sloughs. Bay fish in 10+ schools off of cannery beach-some by picnic tables beach. All fish bright-newly arrived. Excellent visibility.
259-231	7-28-1987	PROKOPOWICH	g	g	g	0	0	1000	0		55000P	
259-231	7-29-1987	SCHMIDT	e	e	e	0	0	800	0			35-40,000 in bay off mouth.
259-231	8-10-1987	MALLOY	g	g	g	0	0	0	0	15000P	133000P	Tremendous build-up. Bay fish: 1/2 laying in strings along picnic beach and in massive schools off of Salt Cr. Remaining 1/2 in 40+ schools in center of bay and in schools along Cannery Beach. Four seiners working bay.
259-231	8-12-1987	MALLOY	e	e	f	0	0	36000	800	15000P	90000P 8000Ch	River intergravel above chum fork. Chum fork could use more chums. Stream pinks heavily balled from thermograph site down. Bay fish still tremendous. 4 seiners and 1 beach seiner working. Still new fish coming in.
259-231	8-25-1987		g	g	p	0	0	112300	0			Stream count includes 300 carcasses. Poor visibility in bay.
259-231	10-19-1987		g	g	g	0	555	0	0			Foot survey.
SALT CREEK												
259-233	8-12-1987	MALLOY	g	g	f	0	0	1000	0	8000P		Will eventually get plugged.
259-233	9-15-1987	HOLMES	g	g	g	0	44	10000	490	110Co 1000P 110Ch		Foot survey, primarily for coho. 75% of coho bright.
PEAT BEACH CREEK												
259-245	8-12-1987	MALLOY	f	f	f	0	0	200	0	2000P		Stream flow o.k. Stream will get plugged.
OLD OLDS												
259-242	7-15-1987	MALLOY	e	e	e	0	0	0	0	5500Ch	2500Ch	Good show this early-some of these may go to Kalsin River. Water flow fair.
259-242	7-16-1987	MANTHEY	f	f	f	0	0	50	0	150P	200P	Not fishy at all. Four sportfishermen.

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Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
259-242	7-27-1987	MALLOY				0	0	18000	4500	21000P 200Ch	18000P	Fish extend into upper reaches. Water o.k. but fair weather will cause water problems. 6000 above fence, remainder schooled in pools down to bridge. Nothing much below bridge except scattered chums. Bay fish in balls off of Kalsin beach from marker to mouth. Mouth fish very bright. Whole situation looks very good.
259-242	8-12-1987	MALLOY	e	e	e	0	0	51000	2600	7000P 2000Ch	100Co 6000P 6000Ch	Stream flow fair, still better than normal. Moderate-good flow headwaters, good fish there. Bulk of pinks heavily schooled from bridge to second index riffle below fence. Chums interspersed, scattered in feeder sloughs.
259-242	8-18-1987		e	e	e	0	0	42100	0	11800P		Very low water. Most fish in first 1/2 mile of stream. Lots of sportsfishermen.
259-242	8-25-1987		g	g	g	0	0	48100	0	3000P		Stream count includes 1,000 carcasses. No bay estimate-choppy and muddy.
259-242	9-17-1987	MALLOY	e	e	e	0	3100	0	0			Coho count from bridge down. Heavily schooled in pools.
259-242	9-17-1987	MALLOY	e	e	e	0	3100	0	0			Coho count from bridge down. Heavily schooled in pools.
259-242	10-17-1987		g	g	g	0	842	0	0			Foot survey.
KALSIN CREEK 259-243	9-18-1987	MALLOY	e	e	e	0	0	0	850			Chums 70% spawnouts. Water flow good.
FRANK'S CREEK 259-244	7-15-1987	MALLOY	e	e	e	0	0	0	0		2000Ch	Water flow low.
259-244	7-27-1987	MALLOY	e	e	e	0	0	0	0		100P	Small schools along beach.
MYRTLE CREEK 259-245	7-15-1987	MALLOY	e	e	e	0	0	0	0			Water flow fair.
259-245	7-27-1987	MALLOY				0	0	0	0	14000P	300P	Lower end surveyed-may have been fish in canyon. Mouth fish very bright, best show I've seen for this system. Bay fish along Sandy Beach inside marker. 1 beach seiner at marker beach.
MAYFLOWER BEACH 259-246	8-12-1987	MALLOY	g	g	g	0	0	0	0			Stream entirely intergravel.
ROSLYN CREEK 259-251	8-10-1987	MALLOY	e	e	e	0	0	0	0	16000P	4000P	Looks excellent. Bay fish along adjacent beaches. No seiners.
259-251	8-25-1987		g	g	p	0	0	12000	0	500P		Beaver dam blocking upstream fish movement. Water flow looks fair.

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Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
259-251	9-15-1987	HOLMES	g	g	g	0	280	1020	3			Foot survey, primarily for coho. 85% of coho below highway bridge.
TWIN CREEK												
259-252	7-27-1987	MALLOY	e	e	e	0	0	60	0	12000P	2000P	Best show I've seen this early. Mouth fish very bright, heavily schooled near mouth. Bay fish are numerous, small schools along beach.
259-252	8-10-1987	MALLOY	e	e	e	0	0	0	0	8500P	2000P	Looks excellent. Bay fish along adjacent beaches. No seiners.
259-252	8-25-1987		g	g	g	0	0	15600	0			700 Pinks dead. Very low water. Fish schooled down by culvert. Looks like it's because of low water.
CAPELIN CREEK												
259-253	7-27-1987	MALLOY	e	e	e	0	0	10	0	200P	2000P	Water flow very low. All fish bright. Bay fish several small schools. Looks good.
259-253	8-10-1987	MALLOY	e	e	e	0	0	0	0	4000P	500P	Looks excellent. Bay fish along adjacent beaches. No seiners.
CHINTIAK CREEK												
259-254	7-27-1987	MALLOY	e	e	e	0	0	75	0	2100P	200P	Water flow very good. All fish in saltwater very bright. Nothing in kelp on east shore-all fish very near mouth. West beach had small dabs.
259-254	8-10-1987	MALLOY	e	e	e	0	0	9400	0	12000P	22000P	Tremendous amount of fish returning to this system. No seiners. Water flowing in creek medium low. Fish heavily schooled in pool near bridge and at mouth.
259-254	9-18-1987	MALLOY	e	e	e	0	75	2950	0			Water flow o.k. Of pinks 2,400 carcasses-remainder spawning.
CHINTIAK LAGOON												
259-255	9-18-1987	MALLOY	e	e	e	0	0	0	0			
259-263	7-14-1987	MALLOY	e	e	e	75	0	0	0			Water flow fair. Red distribution: S. trib 45 reds near mouth, next trib. 30 reds near mouth. East shoal 10 reds.
BARABARA CREEK												
259-263	7-15-1987	MALLOY	e	e	e	55	0	0	0			Reds in lake, not in tribs. 5 of 55 dead, remainder look good.
259-263	7-28-1987	MALLOY	g	g	g	20	0	0	0			Scattered fish in tributaries. Can't see main schools. Nothing in saltwater. Herring: 19 schools of herring (?) off of Barbara Cove 1/2 mile.
259-263	10-29-1987		f	f	f	0	0	0	0			Nothing seen.

-Continued-

Appendix G.1. (page 28 of 44)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
KIZHUYAK RIVER												
259-365	7-15-1987	MALLOY	e	e	e	0	0	0	0		800Ch	Water flow good. Early sign of chums in bay.
259-365	9-18-1987	PROKOPOWICH	e	e	e	0	150	36000	17000			5% pink and chum were mortalities. Kizhuyak 9,000 P, 9,000 Chum, 150 coho junction Watchout Creek. East fork 18500 P. Beaver Pond 2,000 chum, 7,000, 7,000 P. Slough 6,000 chum, 1,500 pink.
259-365	9-18-1987	PROKOPOWICH	e	e	e	0	150	36000	17000			50% pink and chum were morts. Kizhuyak River 9,000 pink, 9,000 chum, 150 coho, junction Watchout Creek, east fork 18,500 pink, Beaver Pond 2,000 chums, 7,000 pink. Sloughs 6,000 chum, 1,500 pink.
259-365	10-29-1987		f	f	f	0	15	0	0			Coho in Watchout Creek.
259-37	8-16-1987	MALLOY	g	g	g	0	0	0	0		12000P 32000Ch	
SHERATIN RIVER												
259-371	7-14-1987	MALLOY	e	g	p	0	0	250	0			Water flow good. Didn't survey bay. Pinks just entering stream. 200+ dollys in stream.
259-371	7-15-1987	MALLOY	e	e	e	0	0	0	0		2500Ch	Early show of chums; two schools. Water flow good.
259-371	7-16-1987	MANTHEY	f	f	f	0	0	40	0		2000P	
259-371	7-21-1987	PROKOPOWICH	f	f	f	0	0	0	0	1300Ch		Poor visibility in bay.
259-371	7-28-1987	MALLOY				0	0	9200	600	2000P		Didn't survey bay and only took brief look off mouth. Fish extending to upper pools.
259-371	8- 1-1987		f	f	f	0	0	2500	0		6000P 2000Ch	Fish schooled in lower river. Nothing seen in the side tributaries. Low stream flow.
259-371	8- 3-1987	PROKOPOWICH				0	0	15000	0		5000P	
259-371	8- 8-1987	LECHNER				0	0	0	0			Doesn't look very fishy.
259-371	10-29-1987		f	f	f	0	48	0	0			Fish in pre-emergent fork and side sloughs.
259-38	8-16-1987	MALLOY				0	0	0	0		5500P 11000Ch	
RED CLOUD CREEK												
259-382	8- 7-1987	MALLOY	g	g	g	0	0	900	0		4000P 500Ch	Stream flow intergravel as usual. Bay fish in nice schools. Chums in normal hole, bright.
259-382	8-22-1987	MALLOY	e	e	e	0	0	2800	100			Water very low, intergravel. 60% of fish either spawned out or prespawn mortalities.

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Appendix G.1. (page 29 of 44)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
HOLLIE CREEK 259-391	8-17-1987		g	g	g	0	0	2000	0			Low water, most fish schooled in two lower end pools. An additional 500+ carcasses. Some coho? Jumpers off mouth.
259-391	10-29-1987		p	p	p	0	0	0	0			Nothing seen.
AZIMUTH CREEK 259-393	8-17-1987		g	g	g	0	0	0	0	1000P		No water in creek.
SEREDNI POINT CREEK 259-394	8-17-1987		g	g	g	0	0	1900	0	200P		Very low stream flow.
MONK'S LAGOON 259-395	10-29-1987		p	p	p	0	0	0	0			Too early in A.M. for a good survey.
SACRAMENTO RIVER 259-401	9-18-1987	MALLOY	e	e	e	0	60	150	0			Water flow fair.
TWIN PEAKS CREEK 259-402	9-18-1987	MALLOY	e	e	e	0	10	0	0			
VALLEY CREEK 259-403	9-18-1987	MALLOY	e	e	e	0	0	0	0			
BURTON CREEK 259-404	9-18-1987	MALLOY	e	e	e	0	0	0	0			
BARRY'S CREEK 259-405	9-18-1987	MALLOY	e	e	e	0	0	0	0			
ZENTNER CREEK 259-410	8-12-1987	MALLOY	g	f	f	0	0	12000	0			Stream flow fair. Needs rain. Fish heavily schooled at lower end.
259-410	8-25-1987		g	g	g	0	0	3350	0			Very low stream flow.
PASAGSHAK RIVER 259-411	8-12-1987	MALLOY	g	g	f	14000	100	2000	0			Tremendous sockeye escapement-best in 20 years plus. Sockeye shoal spawners heaviest at bottom pit and adjacent shoal. Heavy school (6,000) below bridge; 8,000 sockeye strung out below that. No kings seen. Bright silvers by Zentners, pinks strung out.
259-411	8-25-1987		g	g	g	1500	0	0	0			Reds on shoals and spawning. No coho seen but it looked like fish (species unknown) off mouth.
259-411	10-18-1987		g	g	g	0	714	0	0			Foot survey. Reds 542 (above lake).

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Appendix G.1. (page 30 of 44)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
MIAM RIVER												
259-412	7- 8-1987	MALLOY	g	g	g	0	0	0	0			Water flow fair. No reds seen in normal build-up area in lake.
259-412	7-15-1987	MALLOY	e	e	e	450	0	0	0			Reds in river's deep holes, not in lake yet-very late show.
259-412	7-16-1987	MANTHEY	f	f	f	0	0	600	0			Nothing above flats.
259-412	7-27-1987	MALLOY	e	e	e	50	0	2100	0	1400P		New fish at mouth. Water flow excellent. Pinks in lower 1/2 of stream in deep pools. Reds also in lower pools. Still can't find reds in Miam Lake. Excellent visibility in lake and in tributary. Nothing seen.
259-412	8-12-1987	PROKOPOWICH	e	e	e	225	0	19800	400			Stream flow fairly good on lake fork, low other fork. Pinks fairly light for odd year. Reds extremely light.
259-412	8-18-1987		e	e	e	203	0	5100	0			Reds in lake. Only 3 seen in upper tributary. 3,100 pinks in lake fork, 2,000 in northwest fork. Very low water flow.
259-412	8-25-1987		g	g	g	700	0	10500	0			Reds on lake shoals. Pinks surveyed on lake fork only.
259-412	9-17-1987	MALLOY	e	e	e	300	750	2700	0			Pinks barely past peak-very late this year. Coho heavily schooled in lower deep holes-many fairly bright. Reds shoal spawners, east shoal.
259-412	9-17-1987	MALLOY	e	e	e	300	750	2700	0			Pinks barely past peak-very late this year. Coho heavily schooled in lower deep holes-many fairly bright. Reds shoal spawners, east shoal.
259-412	10- 6-1987	LECHNER	e	g	g	0	2000	0	0			Coho very late entering stream.
HURST CREEK												
259-414	7-14-1987	MALLOY	f	p	p	0	0	0	0			Water flow low.
259-414	7-28-1987	PROKOPOWICH	g	g	g	0	0	0	0	500P		
259-414	8- 3-1987	PROKOPOWICH	g	g	g	0	0	300	0			
259-414	8-25-1987		g	g	g	0	0	11100	0			Fish distributed on riffles.
SALTERY RIVER												
259-415	7-11-1987	MALLOY	p	f	g	0	0	0	0	2000R 6000P		Lake very muddy, same as Uganik Lake. Stream muddy. Reds in bay along Hurst Beach, same for pinks.
259-415	7-14-1987	MALLOY	p	p	p	0	0	0	0			Water flow fairly good. Three seiners.
259-415	7-15-1987	MALLOY	p	f	e	0	0	0	0	100P		Water flow good, muddy! Looks very bleak in bay for this date.

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Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
259-415	7-16-1987	MANTHEY	f	f	f	0	0	0	0		10P	Four seiners at marker (only three seiners in Kiliuda).
259-415	7-27-1987	MALLOY	p	p	e	0	0	0	0	14000P 100Ch	100R 3000P 2000Ch	River slightly turbid, especially lower end where Rough Creek enters lagoon; lagoon poor visibility. Bay visibility is excellent. Very few fish along Hurst beach-2 strings of fish at mouth. Nothing along west beach except 45+ schools of forage fish, average size 10-15 tons.
259-415	7-29-1987	SCHMIDT	e	e	e	0	0	0	0		6500Ch	None observed in bay - 6 seiners.
259-415	7-29-1987	SCHMIDT	e	e	e	0	0	51000	0			
259-415	8- 3-1987	PROKOPOWICH	g	g	g	0	0	1000	250		4000P 8000Ch	
259-415	8-25-1987		g	g	p	0	0	22000	0			Poor visibility in bay. Choppy and muddy. All fish in sloughs and in lower river along the spit.
ROUGH CREEK												
259-416	7-15-1987	MALLOY	f	f	f	0	0	0	0			Water flow good, muddy!
WILD CREEK												
259-417	7-15-1987	MALLOY	g	g	e	0	0	0	0			Water flow good.
259-417	9-18-1987	MALLOY	e	e	e	0	0	0	900			Water flow good.
259-418A	9-18-1987	MALLOY	e	e	e	0	0	0	1300			Good distribution in lower portion of stream. Water flow good.
259-418B	9-18-1987	MALLOY	e	e	e	0	0	0	0			Water flow good.
WEST BASIN CREEK												
259-419	7-28-1987	PROKOPOWICH	g	g	g	0	0	0	0		5000Ch	10 schools of herring, approximately 75 tons total.
259-419	9-18-1987	MALLOY	e	e	e	0	0	200	0			Water flow good.
259-419A	7-15-1987	MALLOY	g	g	g	0	0	0	0			Water flow good.
259-419A	9-18-1987	MALLOY	e	e	e	0	0	0	1100			Good escapement. Water flow good.
GOAT LAKE CREEK												
259-422	7-28-1987	PROKOPOWICH	e	e	e	0	0	0	0			
259-422	9-18-1987	MALLOY	g	g	e	0	0	2100	50			Pinks 70% spawnouts. Chums spawning. Water flow good.
KILIUDA PASS CREEK												
259-423	7-28-1987	PROKOPOWICH	e	e	e	0	0	0	50			

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Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
259-423	8-25-1987		g	g	g	0	0	1700	0	400P		Low stream flow.
EAGLE HARBOR												
259-424	7-14-1987	MALLOY	g	g	g	0	0	0	0		200Ch	Two seiners. Water flow fair in N. fork, good S. fork.
259-424	7-15-1987	MALLOY	e	e	e	0	0	25	0			Water flow low-looks blank in bay.
259-424	7-27-1987	MALLOY	e	e	e	0	0	40	20	14000P 4000Ch	3000P	Stream flow low; will be a problem later on without some rain. Fish in mouth actually on river delta at low water. Also several small schools along north beach. 1 seiner M/V Otter nosed into beach for noon opening. 2 more seiners coming to Eagle Harbor. Surveyed up to bay marker on west side of bay. Main spit has several small schools - looks fishy.
259-424	8- 3-1987	PROKOPOWICH	g	g	g	0	0	50	400	2000P 2500Ch		
259-424	8-12-1987	MALLOY	e	e	e	0	0	11000	12000	1500P	1000P 500Ch	Tremendous chum escapement, best in many years. Pinks will be light this year. Chum form has 70% of all fish. Stream flow good chum fork, poor other fork.
259-424	8-25-1987		f	f	p	0	0	1300	0	1500P		Low stream flow.
259-424	9-18-1987	MALLOY	e	e	e	0	1200	0	11000			Pink fork had 400 coho, chum fork 800 coho. Chums 30% spawnouts. Water flow fair in pink fork, excellent in chum fork.
GULL POINT CREEK												
259-426	8-12-1987	MALLOY	e	e	f	0	0	0	300	200Ch		Tributary flow good. N. tributary has 150 chum going in. Another 150 in lower lagoon. Looks pretty bleak so far.
259-426	8-18-1987		e	e	e	0	0	0	0	300Ch	11800Ch	Bright fish. Jumpers along beach.
259-426	8-25-1987		p	p	p	0	0	0	0			Jumpers in lagoon and off creek mouth. Fish moving into lagoon through channel. No estimate, poor light.
259-426	9-17-1987	MALLOY	e	e	e	0	0	0	2300			15% of chums dead in west tributary. Total 1,100 chums in east tributary, 1,200 chums all alive, most pre-spawning.
259-426A	9-18-1987	MALLOY	e	e	e	0	25	75	50			
259-426B	7- 8-1987	MALLOY	e	g	g	0	0	0	0			Water flow fair.
259-426B	7-27-1987	MALLOY	e	e	e	0	0	0	0	3800Ch	75Ch	
259-426B	9-17-1987	MALLOY	e	e	e	0	0	0	2300			15% of chums dead in W. trib. Total 1,100 chums at tributary, 1,200 chums all alive, most pre-spawning.

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Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
259-426B	9-18-1987	MALLOY	e	g	g	0	0	0	2800			10% spawnouts, of remaining 90%, 1/2 spawning, 1/2 schooled off E. trib., Spawnouts in W. trib.
259-426B	10- 6-1987	LECHNER	e	g	g	0	50	0	0			Fish schooled in.
DELTA CREEK												
259-427	9-18-1987	MALLOY	e	e	e	0	0	0	0			Water flow fair.
CLEAR CREEK												
262-102	7-29-1987	MALLOY	e	e	e	0	0	0	0			Water level medium low.
MONUMENT CREEK												
262-103	7-29-1987	MALLOY	p	p	p	0	0	0	0			Shoreline good visibility. River glacial.
GLACIER LAKE CREEK												
262-104	7-29-1987	MALLOY	e	e	e	0	0	0	0			Water level medium.
CALVING GLACIER CRK.												
262-105	7-29-1987	MALLOY	p	p	p	0	0	0	0			
TRIPLE LAKES CREEK												
262-106	7-29-1987	MALLOY	e	e	e	400	0	0	0			Fish distributed from pool at brush line to pool at mouth. Stream water very low.
LONG MUD CREEK												
262-107	7-29-1987	MALLOY	p	p	p	0	0	0	0			
PRODUCTIVE FORKS CR.												
262-108	7-29-1987	MALLOY	p	p	p	0	0	0	0			Water turbid.
262-115	7-11-1987	MALLOY	g	e	e	12500	0	0	0			Red dist. in tribs from Cabin to south 4,000, 500, 6,000, 2,000.
SWIKSHAK RIVER												
262-151	7-11-1987	MALLOY	e	g	p	9500	0	0	0			Most reds very bright located very low in stream. Best visibility ever along clamming area.
262-151	7-21-1987	PROKOPOWICH	e	e	e	28000	0	0	0			Reds still in lower part of river.
262-151	7-27-1987	PROKOPOWICH	g	g	g	18000	0	0	0			Earlier count may have been high or fish backed down into muddy water.
262-151	7-29-1987	MALLOY	e	e	e	27000	0	0	0			Reds schooled in straight stretch. none above bend. Fish getting much darker red, none in lower end of stream.
262-151	8-22-1987	MALLOY	e	g	p	19000	0	0	4000			Reds now scattered in schools in stream and just starting to build on spawning grounds. Chums dark in sockeye fork.

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Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
BIG RIVER												
262-152	7-11-1987	MALLOY	p	p	p	0	0	0	0			Water flow very good. River and bay very muddy.
262-152	7-21-1987	PROKOPOWICH	p	p	p	0	0	0	0			River muddy, high and flooding.
262-152	7-21-1987	PROKOPOWICH	p	p	p	0	0	0	0			Streams muddy. Bay muddy. Few jumpers seen. One seiner fishing.
262-152	7-27-1987	PROKOPOWICH	f	f	f	0	0	0	1500			Visibility poor in bay and not too good in stream.
262-152	7-29-1987	MALLOY	p	p	p	0	0	0	400			River very silty, even river bends have poor visibility. Chum seen schooled at clear tributary at main river's mouth.
262-152	8- 7-1987		g	g	g	0	0	15000	10000			No show off mouth.
262-152	8-22-1987	MALLOY	g	g	e	0	0	22000	84000			Water good. Escapement looks good. 2 airplanes, 6 fishermen (sport). Feds weatherport.
VILLAGE CREEK												
262-153	7-11-1987	MALLOY	g	f	p	0	0	0	0			Water flow good. Beach muddy to 200 feet offshore.
262-153	7-21-1987	PROKOPOWICH	f	f	f	0	0	0	0	500Ch	2000Ch	
262-153	7-27-1987	PROKOPOWICH				0	0	0	3500	1500Ch	6000Ch	
262-153	7-29-1987	MALLOY	e	e	e	0	0	0	1600	600Ch		Water good. Fish very scattered in lower 1/4 of stream.
262-153	8- 7-1987		g	g	g	0	0	3000	4500	2000P		
262-153	8-22-1987	MALLOY	e	e	e	0	0	9000	4000	9500P 2500Ch	3000Ch	Water o.k. Stream could hold 5 times more fish, at least. Outside fish still vulnerable to coho fishery.
CHINIYAK LAGOON												
262-154	7-21-1987	PROKOPOWICH	f	f	f	0	0	0	0	800Ch		
262-154	7-29-1987	MALLOY	e	e	e	0	0	0	0	4800Ch		Fish fairly bright; schooled at entrance to lagoon.
262-154	8- 7-1987		g	g	g	0	0	4000	0	1000P		Most fish in upper lagoon.
262-154	8-22-1987	MALLOY	e	e	e	0	0	0	5200	2000Ch		Water o.k. May be more fish scattered in lagoon. Looks light.
WOLF CREEK												
262-155	7-29-1987	MALLOY	f	f	f	0	0	0	0	150Ch		Stream water low.
262-155	8-22-1987		e	e	e	0	0	100	0			Water very low.
NINAGIYAK CREEK												
262-201	7-29-1987	MALLOY	p	p	p	0	0	0	0			Bay very muddy.

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Appendix G.1. (page 35 of 44)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
262-201	8-22-1987	MALLOY	g	g	p	0	0	3000	8000			Water o.k. Fish distribution good. Looks o.k. for escapement.
HOOK CREEK												
262-202	8-22-1987	MALLOY	g	g	p	0	0	200	900			Water o.k. Glacial melt affecting part of creek.
SERPENT CREEK												
262-203	7-27-1987	PROKOPOWICH	f	f	f	0	0	0	0	7000Ch		Stream visibility poor.
262-203	7-29-1987	MALLOY	p	p	p	0	0	0	0			Water in stream very silty; mouth and bay visibility poor.
262-203	8- 7-1987		f	f	f	0	0	0	0	1000Ch		Jumpers in bay. Water too muddy.
262-203	8-22-1987	MALLOY	p	p	p	0	0	0	600			Glacier melt silting up main stem-normally clear water now muddy because of hot weather and heavy glacial melt.
HALLO CREEK												
262-204	7-29-1987	MALLOY	p	p	p	0	0	0	0			Lousy visibility in streams clear fork and in mouth and bay.
262-204	8-22-1987	MALLOY	f	f	p	0	0	0	1400			Glacial melt affecting visibility. Clear tributaries look o.k. for fish and water.
CAPE CHINIAK CREEK												
262-205	7-29-1987	MALLOY	e	e	e	0	0	200	10	100Ch		Water flow medium low. Fish off mouth bright.
262-205	8-22-1987	MALLOY	e	e	e	0	0	3400	500	2400P 200Ch		Water o.k. Escapement still vulnerable.
YUONAK CREEK												
262-254	8-22-1987	MALLOY	e	e	e	0	0	0	0	100P		Water low.
KUKAK CREEK												
262-271	7-21-1987	PROKOPOWICH	p	p	p	0	0	0	0			Bay muddy-nothing seen.
262-271	7-27-1987	PROKOPOWICH	p	p	p	0	0	0	0			Bay still muddy. One jumper seen.
262-271	7-29-1987	MALLOY	p	p	p	0	0	0	0			Bay very dirty/silty.
262-271	8- 7-1987		f	f	p	0	0	0	100		1500Ch	Visibility poor in bay and rivers.
262-271	8-22-1987	MALLOY	e	g	p	0	0	1000	200	3000P 2000Ch	13000Ch	Bay looks light!! Not much sign showing in normal haunts. Fishery definitely gleaned excess. Bay visibility worse than usual.
262-271	9- 2-1987	PROKOPOWICH	g	g	g	0	0	0	0	88500Ch		Stream muddy. Good show. Estimated 100,000 chums minimum total for bay. Visibility poor in middle bay.

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Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
KUKAK VALLEY CREEK 262-272	9- 2-1987	PROKOPOWICH	g	g	g	0	0	0	500			
KAFLIA CREEK 262-301	7-11-1987	MALLOY	e	e	e	13000	0	0	0			All fish schooled at mouth of trib. to upper lake. Water flow good. One jumper in saltwater.
262-301	7-27-1987	PROKOPOWICH	e	e	e	22000	0	0	0	9000R		6,000 reds upper lake, 16,000 reds lower lake.
262-301	7-29-1987	MALLOY	e	e	e	24000	0	0	0	21000R		Didn't see reds in upper lake that Dave saw. Fish in lower lake much more spread out on shoal/delta of tributary from upper lake. 3 large schools laying in mouth of system-very active jumpers.
262-301	8-22-1987	MALLOY	e	e	e	34100	0	0	0	4000R		Connector stream extremely low. Estimated 2,100 reds in upper lake, 21,000 schooled to ascent to upper lake, 10,000 in scattered schools to maybe shoal spawn in lower lake.
HALFERTY CREEK 262-351	7-11-1987	MALLOY	e	e	e	0	0	0	0	2500R		Nothing in lake areas. Fish extremely bright.
262-351	7-27-1987	PROKOPOWICH	e	e	e	0	0	0	0	4000R		2 seiners.
262-351	7-29-1987	MALLOY	e	e	e	0	0	0	0	200R		Flats didn't look fishy at all. M/V Goldeneye on bottom of delta with seine out. Marginal legal-need to talk to Lee-need to adjust markers in this bay.
262-351	8-22-1987	MALLOY	e	e	e	350	0	600	0	8000P		Reds look grim, unless they were hidden somewhere. Stream flow o.k. Pinks vulnerable.
SANDY CREEK 262-401	8- 3-1987	MALLOY	g	e	e	0	0	100	0	400P	13000P	Stream o.k. Fish in bay still schooled around delta. Fish getting darker. One tender anchored near creek. Four seiners working Cape Kinak.
262-401	8-22-1987	MALLOY	e	e	e	0	0	0	0		14000P	Stream intergravel at mouth. Build-up numbers good.
MISSAK CREEK 262-402	7-27-1987	PROKOPOWICH	e	e	e	0	0	0	0	1500P		
262-402	7-29-1987	MALLOY	e	e	e	0	0	0	0		12000P	Surprising number of fish this early. Fish in small schools, very bright.
262-402	8- 3-1987	MALLOY	g	e	e	0	0	0	0	400P		Stream o.k. Area near mouth looks blank.
262-402	8-22-1987	MALLOY	e	e	e	0	0	0	0		21000P	Stream flow o.k. Build-up fish getting dark. Eventual escapement will be very good.
KINAK CREEK 262-451	8- 7-1987		e	e	e	0	0	0	0			Nothing seen

-Continued-

Appendix G.1. (page 37 of 44)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
262-451	8-12-1987	PROKOPOWICH	g	g	g	0	0	400	0			
262-451	8-22-1987	MALLOY	e	e	e	0	0	0	2000	2000P 2000Ch	800Ch	Stream flow very low. Can't understand where pink build-up is unless it's very late.
262-451	9- 2-1987	PROKOPOWICH	g	g	g	0	0	6500	2500	15000P		
GEOGRAPHIC CREEK												
262-501	7-27-1987	PROKOPOWICH	g	g	g	0	0	0	0		5500P	
262-501	7-29-1987	MALLOY	e	e	e	0	0	0	0	1500P	5000P	Big pothole had all bay fish. Bluff pothole and small pothole empty. Stream flow very good.
262-501	8- 3-1987	MALLOY	e	e	e	0	0	0	0		3500P	Stream flow good. Bay looks awfully blank. Stopped and refueled plane (30 gallons).
262-501	8-12-1987	PROKOPOWICH	g	g	g	0	0	0	0	2500P		
262-501	8-22-1987	MALLOY	e	e	e	0	0	14000	0		5000P	Stream flow good, 95% of fish below forks, spread out for spawning.
AVALANCHE CREEK												
262-502	8- 3-1987	MALLOY	e	e	e	0	0	0	0			Stream flow good. Potholes empty.
262-502	8-22-1987	MALLOY	e	e	e	0	0	700	0		6000P	Stream flow o.k.
PAKAVAK												
262-551	7-27-1987	PROKOPOWICH	g	g	g	0	0	0	0		1000Ch	
262-551	7-29-1987	MALLOY	e	e	e	0	0	25	0	400Ch	600P 200Ch	Fish in stream and in bay very bright. Looks light on chums.
262-551	8- 3-1987	MALLOY	e	e	e	0	0	400	50	300P	2000P	Stream flow good. Fish in stream very bright. Bay looks pretty blank. Bay fish along E. Sandy Beach.
262-551	8-12-1987	PROKOPOWICH	g	g	g	0	0	0	0			Nothing seen.
262-551	8-22-1987	MALLOY	e	e	e	0	0	18000	10000	4000P 1000Ch	26000P 5000Ch	Stream flow o.k. Fish very late in entering this year. Stream fish 95% in hairpin. Bay fish almost all on east shore. Fish dark; west shore blank.
262-551	9- 2-1987	PROKOPOWICH	g	g	g	0	0	1500	2500	200Ch		Visibility only fair in bay, but still a poor show of fish.
ALMO CREEK												
262-552	8- 3-1987	MALLOY	g	g	f	0	0	0	0			Glare in stream.
262-552	8-22-1987	MALLOY	e	e	e	0	0	0	0			Still can't figure this creek out. Excellent water flow.
ALSHAK CREEK												
262-602	7-27-1987	PROKOPOWICH	p	p	p	0	0	0	0			Water muddy. One jumper seen.

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Appendix G.1. (page 38 of 44)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
262-602	7-29-1987	MALLOY	p	p	p	0	0	0	0			Heavy mud/silt.
262-602	8-12-1987	PROKOPOWICH	p	p	p	0	0	0	0			Nothing seen-muddy.
262-602	8-22-1987	MALLOY	p	p	p	0	0	2000	11000			Stream flow excellent, muddy. Looks light, jumpers in muddy lagoon and off murky mouth (5 to 6).
CLAM CREEK												
262-603	8-22-1987	MALLOY	e	e	e	0	0	0	0			Water flow o.k.
KASHVIK CREEK												
262-604	7-27-1987	PROKOPOWICH	g	g	g	0	0	0	4500	13000Ch		
262-604	7-29-1987	MALLOY	e	e	e	0	0	6500	6000	1200P 200Ch		Water flow good. Fish extend to beaver ponds. Well distributed.
262-604	8-12-1987	PROKOPOWICH	g	g	g	0	0	1000	3500			
262-604	8-22-1987	MALLOY	e	e	e	0	0	63000	14000	6000P 2000Ch	3000P 4000Ch	Stream looks good. Water flow good, escapement will be very good.
WRECKAGE CREEK												
262-605	8-22-1987	MALLOY	e	e	e	0	0	700	100	500P 500Ch	1000P 9500Ch	Water flow good. Chums fairly bright in bay.
SKIMPY CREEK												
262-606	8-22-1987	MALLOY	e	e	e	0	0	0	0			Water flow o.k.
BIG ALINCHAK												
262-651	7-27-1987	PROKOPOWICH	g	g	g	0	0	4000	0	5000P	40000P	Three seiners.
262-651	8- 3-1987	MALLOY	e	g	f	0	0	2900	50		3000P	Stream flow good. Bay fish along cabin beach. Heavy skiff marks on flats-legal at high water. Two seiners, one tender, and one airplane. Looks as if fish just starting to enter stream occur in larger schools; very few above sampling area.
262-651	8-12-1987	PROKOPOWICH	g	g	g	0	0	12000	0	8000P		
262-651	8-18-1987	MALLOY	e	e	e	0	0	36000	0	6000P	33000P	Stream flow good. Distribution extending to upper reaches. Eventual escapement will be very good.
262-651	8-22-1987	MALLOY	e	e	e	0	0	51000	0	24000P	61000P	Water flow good. Incredible amount of fish - escapement will be extremely "fat". Stream can handle it!! Bay fish not bright, many very dark.
LITTLE ALINCHAK												
262-652	8- 3-1987	MALLOY	g	e	g	0	0	550	50		200P	Stream flow o.k. M/V Tammy Rene only with seine on board (not out) on flats near mouth. One other seiner in bay.
262-652	8-12-1987	PROKOPOWICH	g	g	g	0	0	0	0		90000P	Majority of fish dark.

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Appendix G.1. (page 39 of 44)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
262-652	8-18-1987	MALLOY	g	g	g	0	0	0	0		39000P	Build-up in stream looks good. Didn't do stream.
262-652	8-22-1987	MALLOY	e	e	e	0	0	28000	0	20000P	140000P	Water flow good. Incredible amount of fish - escapement will be extremely "fat" - stream will handle it, but extra 70,000+ present.
PTERODACTYL CREEK												
262-653	8- 3-1987	MALLOY	g	g	g	0	0	0	0		22000P	Stream flow medium-low. Build-up area along beach has scattered schools of fish. Many fish still not that dark.
262-653	8-18-1987	MALLOY	g	g	g	0	0	1200	0		53000P	Stream flow low. Fish getting dark. Not schooled as tight as last survey.
262-653	8-22-1987	MALLOY	e	e	e	0	0	18000	0	25000P	20000P	Water flow good. Eventual escapement will be extremely fat. Stream will handle it, but maybe extra 20,000+ present
BEAR BAY CREEK												
262-654	7-27-1987	PROKOPOWICH	g	g	g	0	0	0	200			1 seiner-set out. Poor show in lagoon.
262-654	7-28-1987	MALLOY	p	p	p	0	0	0	0			SW 25 Turbulent-Nothing visible in bay.
262-654	7-29-1987	MALLOY	p	p	p	0	0	0	0			SW 25-30 Turbulent-Nothing visible where known build-up is.
262-654	8- 3-1987	MALLOY	g	e	e	0	0	0	50			Stream flow fairly good. Entire bay looks bleak. Heavy skiff marks off this creek.
262-654	8-12-1987	PROKOPOWICH	g	g	g	0	0	0	500		20000Ch	
262-654	8-18-1987	MALLOY	e	e	e	0	0	1100	1500		200Ch	Looks light, water flow o.k.
262-654	8-22-1987	MALLOY	e	e	e	0	0	600	2200	28000P 4000Ch	4000P 2000Ch	Water flow fair. Eventual escapement will be excellent. Bay fish dark.
BEAR LAKE CREEK												
262-655	8- 3-1987	MALLOY	g	e	e	0	0	50	0			Stream flow fairly good. Entire bay looks bleak. Heavy skiff marks. This bay needs better protection.
262-655	8-12-1987	PROKOPOWICH	g	g	g	0	0	0	0			
262-655	8-18-1987	MALLOY	e	e	e	0	0	1400	900		200Ch	Looks light. Water flow o.k.
262-655	8-22-1987	MALLOY	e	e	e	0	0	1200	2000	18000P 10000Ch	6000P 4000Ch	Water flow fair. Eventual escapement will be excellent. Bay fish dark.
WEST BEAR CREEK												
262-656	8- 3-1987	MALLOY	f	f	f	0	0	400	0			Stream flow good. Fish schooled in normal pool.
262-656	8-18-1987	MALLOY	e	e	e	0	0	600	200			Stream flow fairly good. Can use a lot of fish.

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Appendix G.1. (page 40 of 44)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
262-656	8-22-1987	MALLOY	g	g	e	0	0	0	0			Water flow good.
262-657	8-22-1987	MALLOY	g	g	e	0	0	0	0	200P		Water flow fair.
HELEN CREEK 262-701	8- 3-1987	MALLOY	g	g	g	0	0	250	0	1500P		Stream flow fair. Glare in stream. Good visibility off mouth.
262-701	8-18-1987	MALLOY	g	g	g	0	0	5400	0	6000P	6500P 1500Ch	Stream flow o.k.
262-701	8-25-1987	MALLOY			g	0	0	0	0	11000P	2000P	Didn't survey creek, turbulent.
PORTAGE CREEK 262-702	7-28-1987	MALLOY	p	p	p	0	0	0	0			SW 30-40+. Too turbulent for stream work. Returned to Kodiak Island.
262-702	8- 3-1987	MALLOY	e	f	e	0	0	2300	0	200P		Stream flow fairly good. Fish distributed below forks, still schooled if they haven't been in stream too long. Only fair visibility off mouth.
262-702	8-12-1987	PROKOPOWICH	g	g	g	0	0	7000	0			
262-702	8-18-1987	MALLOY	g	g	g	0	0	29000	500	12000P 2500Ch	2000P 1000Ch	Stream flow fairly good. Fish distributed above forks.
262-702	8-25-1987	MALLOY	g	g	g	0	0	0	0			Stream flow good. Should have seen fish.
262-702A	8-25-1987	MALLOY	e	g	g	0	0	31000	200	1500P	21000P	Stream flow good-fish extend lightly above forks. Eventual escapement will be excellent.
TERESA CREEK 262-703	8- 3-1987	MALLOY	p	p	p	0	0	0	0			Stream flow fair-muddy
262-703	8-12-1987	PROKOPOWICH	g	g	g	0	0	0	0	16000P 1000Ch		
262-703	8-18-1987	MALLOY	p	f	f	0	0	0	0	200P	4000P 16000Ch	Stream flow o.k.
262-703	8-25-1987	MALLOY	g	g	p	0	0	0	0	16000Ch		Stream flow good. Didn't survey creek.
TRAIL CREEK 262-704	8- 3-1987	MALLOY	p	p	p	0	0	0	0	1500Ch	3000Ch	Stream flow good but silty. Chums schooled towards south. Good show in mouth. 1 tender anchored at Katie Creek.
262-704	8-12-1987	PROKOPOWICH	g	g	g	0	0	0	0	18000Ch		

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Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
262-704	8-18-1987	MALLOY	p	g	g	0	0	0	0	6000P 3000Ch	500P 2000Ch	Stream flow o.k.
262-704	8-25-1987	MALLOY	g	g	p	0	0	2000	11000		4000Ch	Stream flow good. Escapement distribution very good.
KATIE CREEK 262-705	8- 3-1987	MALLOY	f	g	f	0	0	100	0			Stream flow medium-low. Stream visibility fair due to glare. Mouth visibility good--nothing.
262-705	8-12-1987	PROKOPOWICH	g	g	g	0	0	0	0	14000P		
262-705	8-18-1987	MALLOY	f	f	g	0	0	200	0	3200P	12000Ch	Stream will end up very good.
262-705	8-25-1987	MALLOY	f	g	e	0	0	4200	0	200P		Stream flow fairly good.
OIL CREEK 262-751	8-18-1987	MALLOY	e	e	e	0	0	13000	0	1800P	9000P	Stream flow o.k. Eventual escapement will be good.
DRY BAY 262-752	8- 3-1987	MALLOY	e	e	e	0	0	0	0	400Ch		Stream flow fairly good. Stream looks terribly blank. Future needs are to put markers at entrance to lagoon. Four seiners working Bird Bluffs.
262-752	8-18-1987	MALLOY	e	e	e	0	0	0	3700	2000Ch		Stream flow good. Most of fish in lagoon. Eventual escapement will be fair.
262-752	8-25-1987	MALLOY	g	f	f	0	0	4700	15000		1500Ch	Stream flow excellent. 90% of fish in lagoon. Small groups of fish on outside beach.
ROUTE CREEK 262-801	8- 3-1987	MALLOY	g	g	g	0	0	0	0			Looks real blank, glare in upper part of stream. Should have been a little show in bay.
262-801	8-12-1987	PROKOPOWICH	g	g	g	0	0	2600	0			
262-801	8-18-1987	MALLOY	f	g	g	0	0	1200	150	200P 100Ch		Bay looks light.
262-801	8-25-1987	MALLOY	g	g	g	0	0	150	1000			Stream flow fair. Good distribution of fish.
KANATAK 262-802	8- 3-1987	MALLOY	e	e	e	0	0	600	0			Looks light. 1 seiner jockeying at mouth (500 yards). Water flow medium low. 4 seiners work Cape Igvak. 1 tender leaving Kanatak.
262-802	8-12-1987	PROKOPOWICH	g	g	g	0	0	6500	0	2000Co 3500P		
262-802	8-18-1987	MALLOY	g	g	g	0	0	15300	1700	16000P	2000P	Stream flow fair. Stream tributaries need fish. Village hole light.

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Appendix G.1. (page 42 of 44)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
262-802	8-25-1987	MALLOY	g	g	g	0	0	21000	3000		24000P 6000Ch	Stream flow fair-major stream tributary dry. Fish late entering stream. Village lagoon not as fishy as expected.
SALMON CREEK												
262-803	8- 3-1987	MALLOY	g	g	g	0	0	0	0			Bay visibility very good. No fish to be seen.
262-803	8-18-1987	MALLOY	p	f	f	0	0	0	0			Poor visibility because of chop, glare, brush, wind.
LOG JAM CREEK												
262-804	8-18-1987	MALLOY	g	g	g	0	0	0	0	4500P		Stream flow low. Heavy log jam on creek.
BIG CREEK												
262-851	8- 3-1987	MALLOY	g	p	g	0	0	33000	100	8000P 3000Ch		Stream flow good as always. Stream fish not up to forks yet, heavier schools towards mouth-fish recently started entering school. Visibility off mouth poor-silty. 4 seiners off flats working-all at marker. Coal Pt. Beach -0-, Good visibility. Nothing in slough.
155 262-851	8-12-1987	PROKOPOWICH	g	g	g	150	0	41500	10000	30000P 20000Ch		R.D.F. at head of Wide Bay.
262-851	8-18-1987	MALLOY	e	e	e	0	0	54000	1000	8000P 3000Ch	68000P 3000Ch	Stream fish beginning to extend above forks; still heavier schools in lower portion of stream; minimum in stream. Eventual escapement will be very good. Slough very light. Bay fish extend almost to Coal Point.
262-851	8-25-1987	MALLOY	g	g	g	0	0	141000	6000	2800P 6000Ch	4000P	Stream flow good. Escapement distribution extends to above forks. Still blank spots. Upper forks light, slough very light. Mainstem will be well seeded.
262-851A	8-18-1987	MALLOY	g	g	g	0	0	0	0	1200P		Stream flow low. Bay fish will eventually go to #851.
DES MOINES CREEK												
262-852	8- 3-1987	MALLOY	g	p	g	0	0	800	0			Stream flow fair. Poor visibility off mouth. Stream fish at lower end.
262-852	8- 6-1987	MALLOY	e	e	e	0	0	2100	0			1,900 in west fork; 200 in east fork.
262-852	8-18-1987	MALLOY	g	g	g	0	0	100	0	9000P	1000P	Stream flow fair.
262-852	8-25-1987	MALLOY	e	e	e	0	0	12500	0	10000P		Stream flow fairly good. Eventual escapement good.
PASS CREEK												
262-853	8- 3-1987	MALLOY	g	f	g	0	0	0	0			Stream flow low. Fair visibility off mouth.

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Appendix G.1. (page 43 of 44)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
262-853	8-18-1987	MALLOY	g	g	g	0	0	3600	0	2500P	11500P	Stream flow fair. Additional fish along beach between streams will provide eventual good escapement.
262-853	8-25-1987	MALLOY	e	e	e	0	0	8200	0	1200P		Stream flow fairly good. Escapement will be moderately good.
SHORT CREEK												
262-854	8- 3-1987	MALLOY	g	g	p	0	0	0	0	300P		Stream flow low-jumpers in surf near mouth. Poor visibility in bay-Easterly 15 muddy surf.
262-854	8-18-1987	MALLOY	g	g	g	0	0	1200	0	100P	5000P	Stream flow fair.
262-854	8-25-1987	MALLOY	e	e	e	0	0	8600	100	500P		Stream flow o.k.
HIDDEN CREEK												
262-855	8-18-1987	MALLOY	f	f	p	0	0	0	0			Bay muddy.
SPIT CREEK												
262-856	8-18-1987	MALLOY	e	e	e	0	0	0	0			Stream flow low.
262-856	8-25-1987	MALLOY	e	e	e	0	0	19000	2000	6000P		Stream flow fairly good.
262-856	8-25-1987	MALLOY	e	e	e	2	0	3200	8500			Stream flow very good. Only surveyed clear fork.
262-856	8-25-1987	MALLOY	g	g	g	0	0	0	0			Stream flow good.
262-856B	8-18-1987	MALLOY	e	e	e	0	0	100	300	2000P 500Ch		Stream flow low.
ALAI CREEK												
262-857	8-18-1987	MALLOY	f	f	p	0	0	0	0			Bay muddy.
RIALAGVIK CREEK												
262-858	8- 3-1987	MALLOY	g	g	g	0	0	100	1300			Fish distributed fairly well-little light in upper end. Bay and mouth visibility poor/silty. One seiner and tender Midnight Sun.
262-858	8- 6-1987	MALLOY	e	e	e	0	0	800	5400	200P 200Ch		Numerous jumpers in bay extending from off creek mouth to over 12 way out bay on south shore. Water flow excellent.
262-858	8-18-1987	MALLOY	e	g	p	0	0	5000	24600	2000P 2000Ch		Stream fish: 22,000 fish in south fork, 7,600 in north fork. Both forks have clear water. Bay muddy.
262-858	8-25-1987	MALLOY	g	g	p	0	0	4000	23000			Stream flow very good. Spawner distribution good. System looks well seeded.
262-859A	8-18-1987	MALLOY	f	f	f	0	0	4500	1200			Stream flow low.
262-859A	8-25-1987	MALLOY	g	g	p	0	0	3500	2500			Stream flow fair.

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Appendix G.1. (page 44 of 44)

Stream	Date MM-DD-YY	Observer	Visibility			Fish in Stream				Build Up Fish		Observer Remarks
			Str	Mou	Bay	Sockeye	Coho	Pink	Chum	Mouth	Bay	
262-859B	8-18-1987	MALLOY	f	f	f	0	0	200	200			Stream flow low.
262-859B	8-25-1987	MALLOY	g	g	p	0	0	0	0			Stream flow fair.
272-962A	8-25-1987	MALLOY	e	e	e	0	0	1200	0			
KILOKAK CREEK 272-963	8-25-1987	MALLOY	f	f	f	0	0	1000	8000			
3	7-23-1987	MALLOY	g	g	g	0	0	700	200	2000Ch	8000P	Didn't survey eastside of bay. Westside buildup still looks good.
352-307	8-16-1987	MALLOY				0	0	0	0			
352-319	8-16-1987	MALLOY				0	0	0	0			
4	7-26-1987	MALLOY	p	f	f	0	0	0	0			Air very turbulent, didn't descend below 2000'. Circled-no jumpers.
401-	6-26-1987	MALLOY	e	e	g	0	0	0	12200			Chums schooled heavily in lower end of main stem; schooled fish fairly bright. Scattered chums on spawning grounds although from pothole to canyon really sparse.
424-	7-29-1987	SCHMIDT	e	e	e	0	0	0	0	1050P		At stream mouth in bay.
7	7-29-1987	CRATTY	f	f	f	0	0	0	0	4500P		7-29. Windy
701-	7-28-1987	SCHMIDT	e	e	e	0	0	0	4000			No carcasses observed.
8	7-29-1987	CRATTY	f	f	f	0	0	0	0	2500P 2500Ch		7/29. Windy. Chums off of trail on beach.
			g	g	g	0	53	0	0			Foot survey.

Appendix H.1.

Karluk daily and cumulative escapement counts for 1986.

Date	----SOCKEYE----		----CHINOOK----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
May 24	0	0	3	3	0	0	0	0	0	0
25	0	0	2	5	0	0	0	0	0	0
26	1	1	3	8	0	0	0	0	0	0
27	2	3	2	10	0	0	0	0	0	0
28	0	3	3	13	0	0	0	0	0	0
29	1	4	6	19	0	0	0	0	0	0
30	1	5	19	38	0	0	0	0	0	0
31	2	7	15	53	0	0	0	0	0	0
Jun 1	21	28	46	99	0	0	0	0	0	0
2	30	58	53	152	0	0	0	0	0	0
3	9	67	50	202	0	0	0	0	0	0
4	39	106	117	319	0	0	0	0	0	0
5	24	130	111	430	0	0	0	0	0	0
6	14	144	49	479	0	0	0	0	0	0
7	7	151	127	606	0	0	0	0	0	0
8	208	359	53	659	0	0	0	0	0	0
9	5,325	5,684	65	724	0	0	0	0	0	0
10	11,013	16,697	104	828	0	0	0	0	0	0
11	13,389	30,086	123	951	0	0	0	0	0	0
12	28,963	59,049	258	1,209	0	0	0	0	0	0
13	71,545	130,594	82	1,291	0	0	0	0	0	0
14	18,024	148,618	56	1,347	0	0	0	0	0	0
15	27,025	175,643	281	1,628	0	0	0	0	0	0
16	20,354	195,997	241	1,869	0	0	0	0	0	0
17	3,429	199,426	213	2,082	0	0	0	0	0	0
18	16,624	216,050	173	2,255	0	0	0	0	0	0
19	7,418	223,468	282	2,537	0	0	0	0	0	0
20	10,858	234,326	227	2,764	0	0	0	0	0	0
21	10,181	244,507	103	2,867	0	0	0	0	0	0
22	10,907	255,414	126	2,993	0	0	2	2	0	0
23	6,849	262,263	193	3,186	0	0	3	5	0	0
24	11,619	273,882	258	3,444	0	0	3	8	0	0
25	19,501	293,383	225	3,669	0	0	7	15	0	0
26	19,134	312,517	229	3,898	0	0	4	19	0	0
27	10,397	322,914	79	3,977	0	0	2	21	1	1
28	5,591	328,505	59	4,036	0	0	3	24	0	1
29	2,755	331,260	76	4,112	0	0	1	25	0	1
30	4,205	335,465	71	4,183	0	0	3	28	0	1
Jul 1	234	335,699	17	4,200	0	0	0	28	0	1
2	456	336,155	22	4,222	0	0	0	28	0	1
3	55	336,210	1	4,223	0	0	0	28	0	1
4	223	336,433	1	4,224	0	0	2	30	0	1
5	759	337,192	22	4,246	0	0	1	31	0	1
6	8,063	345,255	39	4,285	0	0	3	34	0	1
7	8,466	353,721	45	4,330	0	0	6	40	0	1
8	716	354,437	6	4,336	0	0	3	43	0	1
9	105	354,542	1	4,337	0	0	0	43	0	1
10	80	354,622	5	4,342	0	0	0	43	0	1
11	318	354,940	7	4,349	0	0	3	46	0	1
12	3,178	358,118	19	4,368	0	0	4	50	0	1
13	460	358,578	6	4,374	0	0	0	50	0	1
14	56	358,634	0	4,374	0	0	12	62	0	1
15	12	358,646	0	4,374	0	0	4	66	0	1
16	7	358,653	0	4,374	0	0	11	77	0	1
17	11	358,664	0	4,374	0	0	197	274	0	1
18	28	358,692	0	4,374	0	0	50	324	0	1
19	25	358,717	1	4,375	0	0	108	432	0	1
20	22	358,739	0	4,375	0	0	76	508	0	1
21	17	358,756	0	4,375	0	0	20	528	0	1
22	2	358,758	0	4,375	0	0	4	532	0	1
23	47	358,805	2	4,377	0	0	39	571	0	1
24	28	358,833	0	4,377	0	0	17	588	1	2
25	19	358,852	3	4,380	0	0	17	605	0	2
26	271	359,123	3	4,383	0	0	1,941	2,546	0	2
27	40	359,163	3	4,386	0	0	374	2,920	0	2
28	87	359,250	1	4,387	0	0	1,426	4,346	0	2
29	65	359,315	4	4,391	0	0	796	5,142	0	2
30	26	359,341	2	4,393	0	0	51	5,193	0	2
31	26	359,367	3	4,396	0	0	82	5,275	0	2
Aug 1	109	359,476	1	4,397	0	0	376	5,651	0	2
2	114	359,590	2	4,399	0	0	1,991	7,642	0	2
3	141	359,731	6	4,405	0	0	3,905	11,547	0	2
4	116	359,847	2	4,407	0	0	3,315	14,862	0	2
5	288	360,135	2	4,409	0	0	11,808	26,670	0	2
6	152	360,287	4	4,413	0	0	3,203	29,873	1	3

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Appendix H.1. (page 2 of 2)

Date	-----SOCKEYE-----		-----CHINOOK-----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
7	100	360,387	0	4,413	0	0	3,482	33,355	1	4
8	1,369	361,756	9	4,422	14	14	75,975	109,330	3	7
9	425	362,181	1	4,423	2	16	8,508	117,838	3	10
10	270	362,451	0	4,423	2	18	5,773	123,611	2	12
11	11	362,462	0	4,423	0	18	47	123,658	0	12
12	685	363,147	3	4,426	3	21	10,659	134,317	2	14
13	1,777	364,924	0	4,426	6	27	10,390	144,707	1	15
14	546	365,470	0	4,426	0	27	2,638	147,345	0	15
15	963	366,433	0	4,426	5	32	12,996	160,341	2	17
16	255	366,688	0	4,426	3	35	4,611	164,952	0	17
17	1,198	367,886	1	4,427	15	50	25,264	190,216	1	18
18	733	368,619	0	4,427	25	75	26,953	217,169	3	21
19	719	369,338	0	4,427	9	84	70,847	288,016	1	22
20	76	369,414	0	4,427	4	88	33,805	321,821	2	24
21	252	369,666	1	4,428	10	98	97,420	419,241	3	27
22	399	370,065	0	4,428	13	111	89,534	508,775	12	39
23	25	370,090	0	4,428	5	116	7,200	515,975	3	42
24	48	370,138	0	4,428	3	119	7,467	523,442	2	44
25	10	370,148	0	4,428	2	121	1,798	525,240	0	44
26	2,547	372,695	1	4,429	43	164	46,088	571,328	6	50
27	88,766	461,461	0	4,429	408	572	51,265	622,593	7	57
28	45,020	506,481	0	4,429	406	978	8,574	631,167	4	61
29	2,074	508,555	0	4,429	24	1,002	1,665	632,832	0	61
30	79,749	588,304	0	4,429	292	1,294	10,848	643,680	3	64
31	15,270	603,574	0	4,429	132	1,426	5,688	649,368	9	73
Sep 1	9,618	613,192	0	4,429	57	1,483	5,213	654,581	5	78
2	4,901	618,093	0	4,429	29	1,512	2,662	657,243	0	78
3	3,093	621,186	0	4,429	41	1,553	1,735	658,978	3	81
4	9,046	630,232	0	4,429	125	1,678	3,347	662,325	6	87
5	11,199	641,431	0	4,429	74	1,752	2,397	664,722	3	90
6	741	642,172	0	4,429	12	1,764	425	665,147	0	90
7	1,500	643,672	0	4,429	50	1,814	600	665,747	2	92
8	80,000	723,672	0	4,429	1,100	2,914	1,200	666,947	0	92
9	30,000	753,672	0	4,429	300	3,214	400	667,347	0	92
10	17,715	771,387	0	4,429	71	3,285	248	667,595	0	92
11	2,441	773,828	0	4,429	87	3,372	98	667,693	1	93
12	479	774,307	0	4,429	27	3,399	23	667,716	0	93
13	424	774,731	0	4,429	63	3,462	26	667,742	0	93
14	144	774,875	0	4,429	151	3,613	18	667,760	0	93
15	15	774,890	0	4,429	73	3,686	1	667,761	0	93
16	43	774,933	0	4,429	230	3,916	11	667,772	0	93
17	28	774,961	0	4,429	150	4,066	8	667,780	0	93
18	6	774,967	0	4,429	6	4,072	6	667,786	0	93
19	2	774,969	0	4,429	0	4,072	7	667,793	0	93
20	41,097	816,066	0	4,429	10,295	14,367	416	668,209	10	103
21	33,012	849,078	0	4,429	2,767	17,134	44	668,253	6	109
22	705	849,783	0	4,429	67	17,201	2	668,255	0	109
23	948	850,731	0	4,429	6	17,207	0	668,255	0	109
24	1,325	852,056	0	4,429	50	17,257	1	668,256	0	109
25	2	852,058	0	4,429	0	17,257	0	668,256	0	109
26	10	852,068	0	4,429	1	17,258	2	668,258	0	109
27	3,913	855,981	0	4,429	1,148	18,406	5	668,263	0	109
28	15,361	871,342	0	4,429	1,322	19,728	18	668,281	1	110
29	14,690	886,032	0	4,429	2,796	22,524	16	668,297	1	111
30	365	886,397	0	4,429	100	22,624	0	668,297	0	111
Oct 1	387	886,784	0	4,429	106	22,730	0	668,297	0	111
2	387	887,171	0	4,429	106	22,836	0	668,297	0	111
3	0	887,171	0	4,429	1,000	23,836	0	668,297	0	111

Appendix H.2.

Ayakulik daily and cumulative escapement counts for 1986.

Date	----SOCKEYE----		----CHINOOK----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
May 15	0	0	1	1	0	0	0	0	0	0
16	0	0	0	1	0	0	0	0	0	0
17	1	1	7	8	0	0	0	0	0	0
18	1	2	25	33	0	0	0	0	0	0
19	2	4	37	70	0	0	0	0	0	0
20	0	4	7	77	0	0	0	0	0	0
21	0	4	6	83	0	0	0	0	0	0
22	0	4	7	90	0	0	0	0	0	0
23	0	4	14	104	0	0	0	0	0	0
24	0	4	13	117	0	0	0	0	0	0
25	0	4	27	144	0	0	0	0	0	0
26	2	6	12	156	0	0	0	0	0	0
27	2	8	153	309	0	0	0	0	0	0
28	0	8	10	319	0	0	0	0	0	0
29	9	17	18	337	0	0	0	0	0	0
30	10	27	70	407	0	0	0	0	0	0
31	37	64	92	499	0	0	0	0	0	0
Jun 1	76	140	148	647	0	0	0	0	0	0
2	1,182	1,322	79	726	0	0	0	0	0	0
3	431	1,753	37	763	0	0	0	0	0	0
4	550	2,303	101	864	0	0	0	0	0	0
5	146	2,449	28	892	0	0	0	0	0	0
6	237	2,686	44	936	0	0	0	0	0	0
7	516	3,202	87	1,023	0	0	0	0	0	0
8	1,881	5,083	142	1,165	0	0	0	0	0	0
9	14,589	19,672	318	1,483	0	0	0	0	0	0
10	5,091	24,763	93	1,576	0	0	0	0	0	0
11	4,835	29,598	110	1,686	0	0	1	1	0	0
12	8,727	38,325	126	1,812	0	0	0	1	0	0
13	40,657	78,982	225	2,037	0	0	0	1	0	0
14	28,705	107,687	779	2,816	0	0	0	1	0	0
15	14,534	122,221	378	3,194	0	0	0	1	0	0
16	6,509	128,730	213	3,407	0	0	0	1	0	0
17	3,217	131,947	311	3,718	0	0	0	1	0	0
18	8,531	140,478	205	3,923	0	0	0	1	0	0
19	1,307	141,785	65	3,988	0	0	0	1	0	0
20	2,801	144,586	65	4,053	0	0	0	1	0	0
21	663	145,249	71	4,124	0	0	0	1	0	0
22	1,459	146,708	101	4,225	0	0	0	1	0	0
23	28	146,736	20	4,245	0	0	0	1	0	0
24	125	146,861	56	4,301	0	0	0	1	0	0
25	152	147,013	81	4,382	0	0	0	1	0	0
26	78	147,091	29	4,411	0	0	0	1	0	0
27	146	147,237	49	4,460	0	0	0	1	0	0
28	72	147,309	46	4,506	0	0	0	1	0	0
29	2,150	149,459	302	4,808	0	0	0	1	0	0
30	7,764	157,223	152	4,960	0	0	0	1	0	0
Jul 1	8,615	165,838	271	5,231	0	0	0	1	0	0
2	13,644	179,482	179	5,410	0	0	9	10	0	0
3	5,334	184,816	78	5,488	0	0	8	18	0	0
4	6,697	191,513	122	5,610	0	0	15	33	0	0
5	3,472	194,985	100	5,710	0	0	30	63	0	0
6	734	195,719	37	5,747	0	0	33	96	0	0
7	4,203	199,922	92	5,839	0	0	126	222	0	0
8	196	200,118	16	5,855	0	0	18	240	2	2
9	19,853	219,971	139	5,994	0	0	621	861	0	2
10	2,456	222,427	37	6,031	0	0	151	1,012	1	3
11	1,188	223,615	9	6,040	0	0	57	1,069	1	4
12	6,820	230,435	79	6,119	0	0	449	1,518	0	4
13	6,309	236,744	61	6,180	0	0	812	2,330	1	5
14	1,784	238,528	14	6,194	0	0	466	2,796	1	6
15	29	238,557	3	6,197	0	0	80	2,876	0	6
16	3,055	241,612	25	6,222	0	0	2,290	5,166	1	7
17	7,242	248,854	37	6,259	0	0	1,144	6,310	3	10
18	13,762	262,616	24	6,283	0	0	1,093	7,403	1	11
19	2,951	265,567	6	6,289	0	0	1,210	8,613	0	11
20	9,834	275,401	7	6,296	0	0	4,927	13,540	3	14
21	27	275,428	3	6,299	0	0	125	13,665	0	14
22	534	275,962	13	6,312	0	0	1,127	14,792	0	14
23	250	276,212	0	6,312	0	0	1,250	16,042	0	14
24	250	276,462	0	6,312	0	0	1,250	17,292	0	14
25	250	276,712	0	6,312	0	0	1,250	18,542	0	14
26	250	276,962	0	6,312	0	0	1,250	19,792	0	14
27	250	277,212	0	6,312	0	0	1,250	21,042	0	14
28	250	277,462	0	6,312	0	0	1,250	22,292	0	14

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Appendix H.2. (page 2 of 2)

Date	-----SOCKEYE-----		-----CHINOOK-----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
29	250	277,712	0	6,312	0	0	1,250	23,542	0	14
30	250	277,962	0	6,312	0	0	1,250	24,792	0	14
31	153	278,115	13	6,325	0	0	4,084	28,876	0	14
Aug 1	717	278,832	8	6,333	0	0	16,633	45,509	3	17
2	951	279,783	3	6,336	2	2	16,024	61,533	1	18
3	1,458	281,241	3	6,339	6	8	12,342	73,875	1	19
4	300	281,541	3	6,342	1	9	4,971	78,846	0	19
5	304	281,845	2	6,344	5	14	2,492	81,338	0	19
6	338	282,183	1	6,345	15	29	4,833	86,171	8	27
7	77	282,260	1	6,346	2	31	1,982	88,153	1	28
8	2,101	284,361	4	6,350	148	179	36,374	124,527	3	31
9	515	284,876	0	6,350	45	224	20,037	144,564	2	33
10	1,346	286,222	4	6,354	98	322	10,906	155,470	5	38
11	2,146	288,368	3	6,357	188	510	58,912	214,382	5	43
12	2,835	291,203	3	6,360	133	643	42,561	256,943	2	45
13	3,071	294,274	0	6,360	119	762	52,599	309,542	5	50
14	3,204	297,478	0	6,360	73	835	37,892	347,434	3	53
15	2,201	299,679	1	6,361	142	977	41,683	389,117	6	59
16	4,077	303,756	1	6,362	185	1,162	26,285	415,402	8	67
17	9,208	312,964	3	6,365	1,829	2,991	90,004	505,406	7	74
18	1,374	314,338	3	6,368	341	3,332	16,360	521,766	3	77
19	2,083	316,421	1	6,369	552	3,884	12,484	534,250	2	79
20	316	316,737	0	6,369	319	4,203	3,875	538,125	3	82
21	256	316,993	1	6,370	280	4,483	2,302	540,427	2	84
22	280	317,273	1	6,371	318	4,801	3,270	543,697	2	86
23	145	317,418	0	6,371	364	5,165	2,585	546,282	1	87
24	255	317,673	0	6,371	1,017	6,182	9,760	556,042	3	90
25	100	317,773	0	6,371	2,000	8,182	2,000	558,042	0	90
26	62	317,835	0	6,371	1,033	9,215	768	558,810	0	90
27	100	317,935	0	6,371	1,000	10,215	200	559,010	0	90
28	100	318,035	0	6,371	1,000	11,215	200	559,210	0	90
29	50	318,085	0	6,371	500	11,715	100	559,310	0	90
30	50	318,135	0	6,371	500	12,215	900	560,210	0	90
31	0	318,135	0	6,371	0	12,215	0	560,210	0	90
Sep 1	0	318,135	0	6,371	0	12,215	0	560,210	0	90
2	0	318,135	0	6,371	0	12,215	0	560,210	0	90
3	0	318,135	0	6,371	0	12,215	0	560,210	0	90
4	0	318,135	0	6,371	0	12,215	0	560,210	0	90
5	0	318,135	0	6,371	0	12,215	0	560,210	0	90
6	0	318,135	0	6,371	0	12,215	0	560,210	0	90
7	0	318,135	0	6,371	0	12,215	0	560,210	0	90
8	0	318,135	0	6,371	0	12,215	0	560,210	0	90
9	0	318,135	0	6,371	0	12,215	0	560,210	0	90
10	0	318,135	0	6,371	0	12,215	0	560,210	0	90
11	0	318,135	0	6,371	0	12,215	0	560,210	0	90
12	0	318,135	0	6,371	0	12,215	0	560,210	0	90
13	0	318,135	0	6,371	0	12,215	0	560,210	0	90
14	0	318,135	0	6,371	0	12,215	0	560,210	0	90
15	0	318,135	0	6,371	0	12,215	0	560,210	0	90
16	0	318,135	0	6,371	0	12,215	0	560,210	0	90
17	0	318,135	0	6,371	0	12,215	0	560,210	0	90
18	0	318,135	0	6,371	0	12,215	0	560,210	0	90
19	0	318,135	0	6,371	0	12,215	0	560,210	0	90
20	0	318,135	0	6,371	0	12,215	0	560,210	0	90
21	0	318,135	0	6,371	0	12,215	0	560,210	0	90
22	0	318,135	0	6,371	0	12,215	0	560,210	0	90
23	0	318,135	0	6,371	0	12,215	0	560,210	0	90
24	0	318,135	0	6,371	0	12,215	0	560,210	0	90
25	0	318,135	0	6,371	0	12,215	0	560,210	0	90
26	0	318,135	0	6,371	0	12,215	0	560,210	0	90
27	0	318,135	0	6,371	0	12,215	0	560,210	0	90
28	0	318,135	0	6,371	0	12,215	0	560,210	0	90
29	0	318,135	0	6,371	0	12,215	0	560,210	0	90
30	0	318,135	0	6,371	0	12,215	0	560,210	0	90

Appendix H.3. Dog Salmon daily and cumulative escapement counts for 1986.

Date	----SOCKEYE----		----CHINOOK----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
Jun 16	2	2	0	0	0	0	0	0	0	0
17	0	2	1	1	0	0	0	0	0	0
18	0	2	0	1	0	0	0	0	0	0
19	0	2	0	1	0	0	0	0	0	0
20	3	5	36	37	0	0	0	0	1	1
21	0	5	0	37	0	0	0	0	0	1
22	2	7	7	44	0	0	0	0	0	1
23	0	7	0	44	0	0	0	0	0	1
24	1	8	1	45	0	0	0	0	0	1
25	0	8	1	46	0	0	0	0	0	1
26	5	13	12	58	0	0	0	0	4	5
27	2	15	2	60	0	0	0	0	2	7
28	0	15	0	60	0	0	0	0	0	7
29	0	15	1	61	0	0	0	0	0	7
30	44,282	44,297	76	137	0	0	0	0	119	126
Jul 1	22,712	67,009	11	148	0	0	0	0	115	241
2	12,347	79,356	11	159	0	0	0	0	46	287
3	8,137	87,493	6	165	0	0	0	0	16	303
4	2,199	89,692	4	169	0	0	0	0	17	320
5	5,280	94,972	2	171	0	0	0	0	24	344
6	2,569	97,541	3	174	0	0	0	0	6	350
7	4,158	101,699	19	193	0	0	0	0	204	554
8	1,618	103,317	2	195	0	0	0	0	31	585
9	1,428	104,745	3	198	0	0	0	0	44	629
10	5,523	110,268	6	204	0	0	0	0	151	780
11	13,959	124,227	6	210	0	0	0	0	639	1,419
12	186	124,413	1	211	0	0	0	0	21	1,440
13	2,800	127,213	2	213	0	0	0	0	198	1,638
14	409	127,622	0	213	0	0	0	0	36	1,674
15	2,379	130,001	0	213	0	0	0	0	827	2,501
16	280	130,281	0	213	0	0	0	0	34	2,535
17	2,695	132,976	2	215	0	0	0	0	111	2,646
18	1,256	134,232	3	218	0	0	0	0	1,520	4,166
19	606	134,838	0	218	0	0	0	0	136	4,302
20	1,186	136,024	2	220	0	0	0	0	494	4,796
21	24	136,048	0	220	0	0	0	0	455	5,251
22	197	136,245	0	220	0	0	0	0	1,667	6,918
23	38	136,283	0	220	0	0	0	0	375	7,293
24	38	136,321	0	220	0	0	0	0	375	7,668
25	37	136,358	0	220	0	0	0	0	375	8,043
26	37	136,395	0	220	0	0	0	0	375	8,418
27	9	136,404	1	221	0	0	4	4	123	8,541
28	6	136,410	0	221	0	0	1	5	102	8,643
29	1	136,411	0	221	0	0	0	5	58	8,701
30	4	136,415	0	221	0	0	0	5	48	8,749
31	0	136,415	0	221	0	0	0	5	4	8,753
Aug 1	7	136,422	0	221	0	0	2	7	57	8,810
2	0	136,422	0	221	0	0	0	7	5	8,815
3	0	136,422	0	221	0	0	112	119	155	8,970
4	0	136,422	0	221	0	0	1	120	3	8,973
5	0	136,422	0	221	0	0	3	123	5	8,978
6	0	136,422	0	221	0	0	0	123	1	8,979
7	0	136,422	0	221	0	0	5	128	7	8,986
8	0	136,422	0	221	3	3	571	699	7	8,993
9	0	136,422	0	221	0	3	5	704	2	8,995
10	0	136,422	0	221	0	3	40	744	2	8,997
11	0	136,422	0	221	0	3	20	764	0	8,997
12	5	136,427	0	221	32	35	1,039	1,803	4	9,001
13	0	136,427	0	221	15	50	871	2,674	2	9,003
14	0	136,427	0	221	8	58	5,327	8,001	4	9,007
15	16	136,443	0	221	93	151	9,308	17,309	8	9,015
16	19	136,462	0	221	31	182	4,048	21,357	3	9,018
17	4	136,466	0	221	28	210	2,657	24,014	0	9,018
18	17	136,483	0	221	293	503	10,198	34,212	3	9,021
19	19	136,502	0	221	250	753	6,362	40,574	3	9,024
20	19	136,521	0	221	894	1,647	11,838	52,412	4	9,028
21	5	136,526	0	221	391	2,038	10,581	62,993	4	9,032
22	3	136,529	0	221	562	2,600	21,598	84,591	4	9,036
23	6	136,535	0	221	197	2,797	8,835	93,426	7	9,043
24	4	136,539	0	221	659	3,456	10,961	104,387	6	9,049
25	11	136,550	0	221	126	3,582	762	105,149	3	9,052
26	3	136,553	0	221	550	4,132	9,919	115,068	15	9,067
27	0	136,553	0	221	321	4,453	3,849	118,917	1	9,068
28	0	136,553	0	221	349	4,802	7,051	125,968	3	9,071
29	0	136,553	0	221	92	4,894	2,558	128,526	7	9,078

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Appendix H.3. (page 2 of 2)

Date	-----SOCKEYE-----		-----CHINOOK-----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
30	0	136,553	0	221	148	5,042	3,963	132,489	7	9,085
31	0	136,553	0	221	135	5,177	3,800	136,289	9	9,094
Sep 1	0	136,553	0	221	66	5,243	2,370	138,659	8	9,102
2	0	136,553	0	221	82	5,325	2,508	141,167	11	9,113
3	0	136,553	0	221	42	5,367	2,907	144,074	7	9,120
4	0	136,553	0	221	16	5,383	2,367	146,441	9	9,129
5	0	136,553	0	221	1	5,384	753	147,194	5	9,134
6	0	136,553	0	221	10	5,394	2,000	149,194	0	9,134
7	0	136,553	0	221	0	5,394	0	149,194	0	9,134
8	0	136,553	0	221	0	5,394	0	149,194	0	9,134
9	0	136,553	0	221	0	5,394	0	149,194	0	9,134
10	0	136,553	0	221	0	5,394	0	149,194	0	9,134
11	0	136,553	0	221	0	5,394	0	149,194	0	9,134
12	0	136,553	0	221	0	5,394	0	149,194	0	9,134
13	0	136,553	0	221	0	5,394	0	149,194	0	9,134
14	0	136,553	0	221	0	5,394	0	149,194	0	9,134
15	0	136,553	0	221	0	5,394	0	149,194	0	9,134
16	0	136,553	0	221	0	5,394	0	149,194	0	9,134
17	0	136,553	0	221	0	5,394	0	149,194	0	9,134
18	0	136,553	0	221	0	5,394	0	149,194	0	9,134
19	0	136,553	0	221	0	5,394	0	149,194	0	9,134
20	0	136,553	0	221	0	5,394	0	149,194	0	9,134
21	0	136,553	0	221	0	5,394	0	149,194	0	9,134
22	0	136,553	0	221	0	5,394	0	149,194	0	9,134
23	0	136,553	0	221	0	5,394	0	149,194	0	9,134
24	0	136,553	0	221	0	5,394	0	149,194	0	9,134
25	0	136,553	0	221	0	5,394	0	149,194	0	9,134
26	0	136,553	0	221	0	5,394	0	149,194	0	9,134
27	0	136,553	0	221	0	5,394	0	149,194	0	9,134
28	0	136,553	0	221	0	5,394	0	149,194	0	9,134
29	0	136,553	0	221	0	5,394	0	149,194	0	9,134
30	0	136,553	0	221	0	5,394	0	149,194	0	9,134

Appendix H.4. Frazer Lake daily and cumulative escapement counts for 1986.

Date	----SOCKEYE----		----CHINOOK----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
Jun 23	0	0	4	4	0	0	0	0	0	0
24	0	0	1	5	0	0	0	0	0	0
25	0	0	1	6	0	0	0	0	0	0
26	0	0	0	6	0	0	0	0	0	0
27	0	0	0	6	0	0	0	0	0	0
28	0	0	0	6	0	0	0	0	0	0
29	0	0	0	6	0	0	0	0	0	0
30	0	0	0	6	0	0	0	0	0	0
Jul 1	0	0	3	9	0	0	0	0	0	0
2	8,400	8,400	20	29	0	0	0	0	0	0
3	2,892	11,292	1	30	0	0	0	0	0	0
4	3,010	14,302	3	33	0	0	0	0	0	0
5	10,708	25,010	9	42	0	0	0	0	0	0
6	7,168	32,178	0	42	0	0	0	0	0	0
7	1,400	33,578	3	45	0	0	0	0	0	0
8	18,558	52,136	4	49	0	0	0	0	1	1
9	1,305	53,441	0	49	0	0	0	0	0	1
10	14,247	67,688	16	65	0	0	0	0	0	1
11	13,136	80,824	5	70	0	0	0	0	0	1
12	2,334	83,158	11	81	0	0	0	0	0	1
13	4,239	87,397	3	84	0	0	0	0	0	1
14	4,315	91,712	5	89	0	0	0	0	0	1
15	931	92,643	0	89	0	0	0	0	0	1
16	1,354	93,997	1	90	0	0	0	0	0	1
17	1,848	95,845	0	90	0	0	0	0	1	2
18	16,634	112,479	13	103	0	0	0	0	1	3
19	4,720	117,199	8	111	0	0	0	0	1	4
20	518	117,717	2	113	0	0	0	0	0	4
21	1,936	119,653	2	115	0	0	0	0	1	5
22	109	119,762	0	115	0	0	0	0	0	5
23	1,970	121,732	0	115	0	0	0	0	0	5
24	1,322	123,054	1	116	0	0	0	0	0	5
25	1,743	124,797	3	119	0	0	0	0	0	5
26	360	125,157	0	119	0	0	0	0	0	5
27	262	125,419	1	120	0	0	0	0	0	5
28	402	125,821	1	121	0	0	0	0	1	6
29	262	126,083	4	125	0	0	0	0	0	6
30	119	126,202	0	125	0	0	0	0	0	6
31	58	126,260	0	125	0	0	0	0	1	7
Aug 1	57	126,317	0	125	0	0	0	0	0	7
2	47	126,364	0	125	0	0	0	0	0	7
3	66	126,430	0	125	0	0	0	0	1	8
4	11	126,441	1	126	0	0	0	0	0	8
5	3	126,444	0	126	0	0	0	0	0	8
6	7	126,451	0	126	0	0	0	0	0	8
7	21	126,472	0	126	0	0	0	0	0	8
8	11	126,483	1	127	0	0	0	0	1	9
9	8	126,491	0	127	0	0	0	0	0	9
10	7	126,498	0	127	0	0	0	0	0	9
11	2	126,500	0	127	0	0	0	0	0	9
12	0	126,500	0	127	0	0	0	0	0	9
13	0	126,500	0	127	0	0	0	0	0	9
14	4	126,504	0	127	0	0	0	0	0	9
15	6	126,510	0	127	0	0	0	0	0	9
16	1	126,511	0	127	0	0	0	0	0	9
17	9	126,520	0	127	0	0	0	0	0	9
18	9	126,529	0	127	0	0	0	0	0	9
19	0	126,529	0	127	0	0	0	0	0	9
20	0	126,529	0	127	0	0	0	0	0	9
21	0	126,529	0	127	0	0	0	0	0	9
22	0	126,529	0	127	0	0	0	0	0	9
23	0	126,529	0	127	0	0	0	0	0	9
24	0	126,529	0	127	0	0	0	0	0	9
25	0	126,529	0	127	0	0	0	0	0	9
26	0	126,529	0	127	0	0	0	0	0	9
27	0	126,529	0	127	0	0	0	0	0	9
28	0	126,529	0	127	0	0	0	0	0	9
29	0	126,529	0	127	0	0	0	0	0	9
30	0	126,529	0	127	0	0	0	0	0	9
31	0	126,529	0	127	0	0	0	0	0	9
Sep 1	0	126,529	0	127	0	0	0	0	0	9
2	0	126,529	0	127	0	0	0	0	0	9
3	0	126,529	0	127	0	0	0	0	0	9
4	0	126,529	0	127	0	0	0	0	0	9
5	0	126,529	0	127	0	0	0	0	0	9

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Appendix H.4. (page 2 of 2)

Date	-----SOCKEYE-----		-----CHINOOK-----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
6	0	126,529	0	127	0	0	0	0	0	9
7	0	126,529	0	127	0	0	0	0	0	9
8	0	126,529	0	127	0	0	0	0	0	9
9	0	126,529	0	127	0	0	0	0	0	9
10	0	126,529	0	127	0	0	0	0	0	9
11	0	126,529	0	127	0	0	0	0	0	9
12	0	126,529	0	127	0	0	0	0	0	9
13	0	126,529	0	127	0	0	0	0	0	9
14	0	126,529	0	127	0	0	0	0	0	9
15	0	126,529	0	127	0	0	0	0	0	9
16	0	126,529	0	127	0	0	0	0	0	9
17	0	126,529	0	127	0	0	0	0	0	9
18	0	126,529	0	127	0	0	0	0	0	9
19	0	126,529	0	127	0	0	0	0	0	9
20	0	126,529	0	127	0	0	0	0	0	9
21	0	126,529	0	127	0	0	0	0	0	9
22	0	126,529	0	127	0	0	0	0	0	9
23	0	126,529	0	127	0	0	0	0	0	9
24	0	126,529	0	127	0	0	0	0	0	9
25	0	126,529	0	127	0	0	0	0	0	9
26	0	126,529	0	127	0	0	0	0	0	9
27	0	126,529	0	127	0	0	0	0	0	9
28	0	126,529	0	127	0	0	0	0	0	9
29	0	126,529	0	127	0	0	0	0	0	9
30	0	126,529	0	127	0	0	0	0	0	9

Appendix H.5. Upper Station daily and cumulative escapement counts for 1986.

Date	----SOCKEYE----		----CHINOOK----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
Jun 6	125	125	0	0	0	0	0	0	0	0
7	35	160	0	0	0	0	0	0	0	0
8	8	168	0	0	0	0	0	0	0	0
9	219	387	0	0	0	0	0	0	0	0
10	34	421	0	0	0	0	0	0	0	0
11	675	1,096	0	0	0	0	0	0	0	0
12	7,975	8,971	0	0	0	0	0	0	0	0
13	4,122	13,093	0	0	0	0	0	0	0	0
14	1,243	14,336	0	0	0	0	0	0	0	0
15	3,269	17,605	0	0	0	0	0	0	0	0
16	2,565	20,170	0	0	0	0	0	0	0	0
17	13,906	34,076	0	0	0	0	0	0	0	0
18	22,212	56,288	0	0	0	0	0	0	0	0
19	6,302	62,590	0	0	0	0	0	0	0	0
20	4,852	67,442	0	0	0	0	0	0	0	0
21	7,059	74,501	0	0	0	0	0	0	0	0
22	365	74,866	0	0	0	0	0	0	0	0
23	2,988	77,854	0	0	0	0	0	0	0	0
24	228	78,082	0	0	0	0	0	0	0	0
25	958	79,040	0	0	0	0	0	0	0	0
26	1,676	80,716	0	0	0	0	0	0	0	0
27	1,113	81,829	0	0	0	0	0	0	0	0
28	1,315	83,144	0	0	0	0	0	0	0	0
29	933	84,077	0	0	0	0	0	0	0	0
30	2,504	86,581	0	0	0	0	0	0	0	0
Jul 1	2,367	88,948	0	0	0	0	0	0	0	0
2	2,017	90,965	0	0	0	0	0	0	0	0
3	1,006	91,971	0	0	0	0	0	0	0	0
4	1,694	93,665	0	0	0	0	0	0	0	0
5	1,067	94,732	0	0	0	0	0	0	0	0
6	531	95,263	0	0	0	0	0	0	0	0
7	119	95,382	0	0	0	0	0	0	0	0
8	759	96,141	0	0	0	0	0	0	0	0
9	602	96,743	0	0	0	0	0	0	0	0
10	269	97,012	0	0	0	0	0	0	0	0
11	515	97,527	0	0	0	0	0	0	0	0
12	2,054	99,581	0	0	0	0	0	0	0	0
13	119	99,700	0	0	0	0	0	0	0	0
14	145	99,845	0	0	0	0	0	0	0	0
15	50	99,895	0	0	0	0	0	0	0	0
16	12	99,907	0	0	0	0	0	0	0	0
17	15	99,922	0	0	0	0	0	0	0	0
18	11	99,933	0	0	0	0	0	0	0	0
19	32	99,965	0	0	0	0	0	0	0	0
20	146	100,111	0	0	0	0	0	0	0	0
21	52	100,163	0	0	0	0	0	0	0	0
22	414	100,577	0	0	0	0	0	0	0	0
23	1,331	101,908	0	0	0	0	0	0	0	0
24	390	102,298	1	1	0	0	0	0	0	0
25	1,507	103,805	0	1	0	0	0	0	0	0
26	161	103,966	0	1	0	0	2	2	0	0
27	172	104,138	0	1	0	0	1	3	0	0
28	800	104,938	0	1	0	0	0	3	0	0
29	2,040	106,978	0	1	0	0	5	8	0	0
30	2,366	109,344	0	1	0	0	3	11	0	0
31	2,086	111,430	0	1	0	0	1	12	0	0
Aug 1	1,286	112,716	0	1	0	0	0	12	0	0
2	3,322	116,038	0	1	0	0	1	13	0	0
3	3,572	119,610	0	1	0	0	1	14	0	0
4	780	120,390	0	1	0	0	0	14	0	0
5	161	120,551	0	1	0	0	3	17	0	0
6	1,158	121,709	0	1	1	1	12	29	0	0
7	2,655	124,364	0	1	0	1	8	37	0	0
8	8,594	132,958	0	1	6	7	32	69	0	0
9	2,556	135,514	0	1	3	10	28	97	0	0
10	1,129	136,643	0	1	3	13	21	118	0	0
11	4,626	141,269	0	1	8	21	44	162	0	0
12	5,001	146,270	0	1	8	29	43	205	0	0
13	23,346	169,616	0	1	6	35	127	332	0	0
14	24,484	194,100	0	1	5	40	65	397	0	0
15	40,057	234,157	0	1	21	61	102	499	0	0
16	52,918	287,075	0	1	22	83	62	561	0	0
17	41,780	328,855	0	1	9	92	64	625	0	0
18	21,806	350,661	0	1	27	119	57	682	0	0
19	29,255	379,916	0	1	23	142	25	707	0	0

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Appendix H.5. (page 2 of 2)

Date	----SOCKEYE----		----CHINOOK----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
20	39,315	419,231	0	1	71	213	45	752	0	0
21	14,580	433,811	0	1	31	244	40	792	0	0
22	3,791	437,602	0	1	12	256	59	851	0	0
23	3,199	440,801	0	1	8	264	28	879	0	0
24	5,363	446,164	0	1	18	282	56	935	0	0
25	3,040	449,204	0	1	25	307	80	1,015	0	0
26	1,986	451,190	0	1	104	411	143	1,158	0	0
27	1,118	452,308	0	1	121	532	21	1,179	0	0
28	1,445	453,753	0	1	149	681	26	1,205	0	0
29	857	454,610	0	1	118	799	20	1,225	0	0
30	761	455,371	0	1	176	975	23	1,248	0	0
31	475	455,846	0	1	107	1,082	29	1,277	0	0
Sep 1	1,063	456,909	0	1	166	1,248	16	1,293	0	0
2	924	457,833	0	1	87	1,335	10	1,303	0	0
3	250	458,083	0	1	18	1,353	8	1,311	0	0
4	742	458,825	0	1	82	1,435	18	1,329	0	0
5	658	459,483	0	1	61	1,496	17	1,346	0	0
6	593	460,076	0	1	63	1,559	2	1,348	0	0
7	541	460,617	0	1	68	1,627	14	1,362	0	0
8	599	461,216	0	1	147	1,774	19	1,381	0	0
9	369	461,585	0	1	95	1,869	6	1,387	0	0
10	955	462,540	0	1	82	1,951	11	1,398	0	0
11	1,495	464,035	0	1	162	2,113	7	1,405	0	0
12	709	464,744	0	1	86	2,199	10	1,415	0	0
13	1,641	466,385	0	1	270	2,469	5	1,420	0	0
14	0	466,385	0	1	0	2,469	5	1,425	0	0
15	0	466,385	0	1	0	2,469	2,250	3,675	0	0
16	0	466,385	0	1	0	2,469	0	3,675	0	0
17	0	466,385	0	1	0	2,469	0	3,675	0	0
18	0	466,385	0	1	0	2,469	0	3,675	0	0
19	0	466,385	0	1	0	2,469	0	3,675	0	0
20	0	466,385	0	1	0	2,469	0	3,675	0	0
21	0	466,385	0	1	0	2,469	0	3,675	0	0
22	0	466,385	0	1	0	2,469	0	3,675	0	0
23	0	466,385	0	1	0	2,469	0	3,675	0	0
24	0	466,385	0	1	0	2,469	0	3,675	0	0
25	0	466,385	0	1	0	2,469	0	3,675	0	0
26	0	466,385	0	1	0	2,469	0	3,675	0	0
27	0	466,385	0	1	0	2,469	0	3,675	0	0
28	0	466,385	0	1	0	2,469	0	3,675	0	0
29	0	466,385	0	1	0	2,469	0	3,675	0	0
30	0	466,385	0	1	0	2,469	0	3,675	0	0

Appendix H.6.

Akalura daily and cumulative escapement counts for 1986.

Date	----SOCKEYE----		----CHINOOK----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
Aug 3	8	8	0	0	0	0	0	0	0	0
4	0	8	0	0	0	0	0	0	0	0
5	0	8	0	0	0	0	0	0	0	0
6	0	8	0	0	0	0	0	0	0	0
7	0	8	0	0	0	0	0	0	0	0
8	0	8	0	0	0	0	0	0	0	0
9	0	8	0	0	0	0	0	0	0	0
10	0	8	0	0	0	0	0	0	0	0
11	1	9	0	0	0	0	0	0	0	0
12	0	9	0	0	0	0	0	0	0	0
13	0	9	0	0	0	0	0	0	0	0
14	0	9	0	0	0	0	0	0	0	0
15	0	9	0	0	0	0	0	0	0	0
16	0	9	0	0	0	0	0	0	0	0
17	1,322	1,331	0	0	0	0	0	0	0	0
18	2	1,333	0	0	5	5	0	0	0	0
19	1	1,334	0	0	0	5	0	0	0	0
20	1	1,335	0	0	0	5	0	0	0	0
21	2,363	3,698	0	0	24	29	0	0	0	0
22	6	3,704	0	0	0	29	0	0	0	0
23	5	3,709	0	0	0	29	0	0	0	0
24	3,929	7,638	0	0	52	81	0	0	0	0
25	19	7,657	0	0	1	82	0	0	0	0
26	6	7,663	0	0	0	82	0	0	0	0
27	591	8,254	0	0	72	154	0	0	0	0
28	69	8,323	0	0	13	167	0	0	0	0
29	5	8,328	0	0	0	167	0	0	0	0
30	55	8,383	0	0	18	185	0	0	0	0
31	144	8,527	0	0	49	234	0	0	0	0
Sep 1	0	8,527	0	0	0	234	0	0	0	0
2	65	8,592	0	0	29	263	0	0	0	0
3	26	8,618	0	0	25	288	0	0	0	0
4	2	8,620	0	0	11	299	0	0	0	0
5	0	8,620	0	0	2	301	0	0	0	0
6	0	8,620	0	0	31	332	0	0	0	0
7	167	8,787	0	0	242	574	0	0	0	0
8	614	9,401	0	0	424	998	0	0	0	0
9	15	9,416	0	0	55	1,053	0	0	0	0
10	0	9,416	0	0	10	1,063	0	0	0	0
11	2	9,418	0	0	41	1,104	0	0	0	0
12	1	9,419	0	0	8	1,112	0	0	0	0
13	0	9,419	0	0	3	1,115	0	0	0	0
14	2	9,421	0	0	29	1,144	0	0	0	0
15	28	9,449	0	0	133	1,277	0	0	0	0
16	36	9,485	0	0	94	1,371	0	0	0	0
17	200	9,685	0	0	400	1,771	0	0	0	0
18	0	9,685	0	0	329	2,100	0	0	0	0
19	0	9,685	0	0	0	2,100	0	0	0	0
20	0	9,685	0	0	0	2,100	0	0	0	0
21	0	9,685	0	0	0	2,100	0	0	0	0
22	115	9,800	0	0	0	2,100	0	0	0	0
23	0	9,800	0	0	0	2,100	0	0	0	0
24	0	9,800	0	0	0	2,100	0	0	0	0
25	0	9,800	0	0	0	2,100	0	0	0	0
26	0	9,800	0	0	0	2,100	0	0	0	0
27	0	9,800	0	0	0	2,100	0	0	0	0
28	0	9,800	0	0	0	2,100	0	0	0	0
29	0	9,800	0	0	0	2,100	0	0	0	0
30	0	9,800	0	0	0	2,100	0	0	0	0

Appendix H.7. Saltery daily and cumulative escapement counts for 1986.

Date	-----SOCKEYE-----		-----CHINOOK-----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
Jun 25	8	8	0	0	0	0	0	0	0	0
26	104	112	0	0	0	0	0	0	0	0
27	14	126	0	0	0	0	0	0	0	0
28	27	153	0	0	0	0	0	0	0	0
29	173	326	0	0	0	0	0	0	0	0
30	1,039	1,365	0	0	0	0	0	0	0	0
Jul 1	1,625	2,990	0	0	0	0	0	0	0	0
2	445	3,435	0	0	0	0	0	0	0	0
3	624	4,059	0	0	0	0	0	0	0	0
4	2,443	6,502	0	0	0	0	0	0	0	0
5	366	6,868	0	0	0	0	0	0	0	0
6	446	7,314	0	0	0	0	0	0	0	0
7	241	7,555	0	0	0	0	0	0	0	0
8	243	7,798	0	0	0	0	0	0	0	0
9	572	8,370	0	0	0	0	7	7	0	0
10	457	8,827	0	0	0	0	3	10	0	0
11	91	8,918	0	0	0	0	0	10	0	0
12	324	9,242	0	0	0	0	0	10	1	1
13	497	9,739	0	0	0	0	2	12	0	1
14	1,566	11,305	0	0	0	0	46	58	1	2
15	1,597	12,902	0	0	0	0	56	114	3	5
16	264	13,166	0	0	0	0	75	189	0	5
17	926	14,092	0	0	0	0	166	355	0	5
18	2,198	16,290	0	0	0	0	238	593	4	9
19	341	16,631	0	0	0	0	177	770	1	10
20	1,516	18,147	0	0	0	0	429	1,199	2	12
21	1,848	19,995	0	0	0	0	270	1,469	5	17
22	1,238	21,233	0	0	0	0	253	1,722	3	20
23	963	22,196	0	0	0	0	275	1,997	0	20
24	797	22,993	0	0	0	0	161	2,158	1	21
25	1,285	24,278	0	0	0	0	125	2,283	3	24
26	608	24,886	0	0	0	0	256	2,539	0	24
27	523	25,409	0	0	0	0	263	2,802	2	26
28	1,636	27,045	0	0	0	0	309	3,111	5	31
29	212	27,257	0	0	0	0	107	3,218	0	31
30	1,248	28,505	0	0	0	0	488	3,706	3	34
31	157	28,662	0	0	0	0	111	3,817	0	34
Aug 1	354	29,016	0	0	0	0	199	4,016	1	35
2	555	29,571	0	0	0	0	306	4,322	0	35
3	2,216	31,787	0	0	0	0	1,646	5,968	0	35
4	579	32,366	0	0	0	0	1,118	7,086	0	35
5	198	32,564	0	0	0	0	443	7,529	3	38
6	159	32,723	0	0	0	0	287	7,816	1	39
7	70	32,793	0	0	0	0	359	8,175	0	39
8	1,388	34,181	3	3	0	0	2,953	11,128	5	44
9	81	34,262	0	3	0	0	309	11,437	1	45
10	55	34,317	0	3	0	0	380	11,817	0	45
11	330	34,647	0	3	0	0	1,034	12,851	0	45
12	74	34,721	0	3	0	0	175	13,026	1	46
13	79	34,800	0	3	0	0	279	13,305	0	46
14	195	34,995	0	3	0	0	534	13,839	1	47
15	211	35,206	0	3	2	2	554	14,393	2	49
16	154	35,360	0	3	7	9	499	14,892	1	50
17	157	35,517	0	3	3	12	405	15,297	1	51
18	159	35,676	0	3	8	20	384	15,681	2	53
19	239	35,915	0	3	43	63	455	16,136	3	56
20	77	35,992	0	3	40	103	160	16,296	0	56
21	168	36,160	0	3	53	156	224	16,520	2	58
22	230	36,390	0	3	75	231	391	16,911	1	59
23	170	36,560	0	3	70	301	611	17,522	1	60
24	108	36,668	0	3	76	377	479	18,001	0	60
25	154	36,822	0	3	138	515	875	18,876	2	62
26	703	37,525	0	3	695	1,210	2,223	21,099	38	100
27	117	37,642	0	3	448	1,658	404	21,503	13	113
28	50	37,692	0	3	225	1,883	153	21,656	2	115
29	55	37,747	0	3	147	2,030	125	21,781	3	118
30	139	37,886	0	3	413	2,443	313	22,094	33	151
31	81	37,967	0	3	338	2,781	134	22,228	11	162
Sep 1	75	38,042	0	3	966	3,747	152	22,380	10	172
2	80	38,122	0	3	1,646	5,393	85	22,465	5	177
3	50	38,172	0	3	1,004	6,397	90	22,555	3	180
4	44	38,216	0	3	1,306	7,703	83	22,638	0	180
5	19	38,235	0	3	590	8,293	27	22,665	5	185
6	34	38,269	0	3	907	9,200	60	22,725	4	189
7	8	38,277	0	3	573	9,773	108	22,833	5	194

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Appendix H.7. (page 2 of 2)

Date	----SOCKEYE----		----CHINOOK----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
8	9	38,286	0	3	287	10,060	51	22,884	4	198
9	20	38,306	0	3	329	10,389	33	22,917	1	199
10	3	38,309	0	3	282	10,671	49	22,966	2	201
11	5	38,314	0	3	285	10,956	29	22,995	2	203
12	0	38,314	0	3	53	11,009	16	23,011	0	203
13	0	38,314	0	3	0	11,009	0	23,011	0	203
14	0	38,314	0	3	0	11,009	0	23,011	0	203
15	0	38,314	0	3	0	11,009	0	23,011	0	203
16	0	38,314	0	3	0	11,009	0	23,011	0	203
17	0	38,314	0	3	0	11,009	0	23,011	0	203
18	0	38,314	0	3	0	11,009	0	23,011	0	203
19	0	38,314	0	3	0	11,009	0	23,011	0	203
20	0	38,314	0	3	0	11,009	0	23,011	0	203
21	0	38,314	0	3	0	11,009	0	23,011	0	203
22	0	38,314	0	3	0	11,009	0	23,011	0	203
23	0	38,314	0	3	0	11,009	0	23,011	0	203
24	0	38,314	0	3	0	11,009	0	23,011	0	203
25	0	38,314	0	3	0	11,009	0	23,011	0	203
26	0	38,314	0	3	0	11,009	0	23,011	0	203
27	0	38,314	0	3	0	11,009	0	23,011	0	203
28	0	38,314	0	3	0	11,009	0	23,011	0	203
29	0	38,314	0	3	0	11,009	0	23,011	0	203
30	0	38,314	0	3	0	11,009	0	23,011	0	203

Appendix H.8. Buskin daily and cumulative escapement counts for 1986.

Date	-----SOCKEYE-----		-----CHINOOK-----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
May 19	4	4	0	0	0	0	0	0	0	0
20	0	4	0	0	0	0	0	0	0	0
21	0	4	0	0	0	0	0	0	0	0
22	0	4	0	0	0	0	0	0	0	0
23	0	4	0	0	0	0	0	0	0	0
24	0	4	0	0	0	0	0	0	0	0
25	0	4	0	0	0	0	0	0	0	0
26	33	37	0	0	0	0	0	0	0	0
27	3	40	0	0	0	0	0	0	0	0
28	0	40	0	0	0	0	0	0	0	0
29	0	40	0	0	0	0	0	0	0	0
30	25	65	0	0	0	0	0	0	0	0
31	0	65	0	0	0	0	0	0	0	0
Jun 1	0	65	0	0	0	0	0	0	0	0
2	1	66	0	0	0	0	0	0	0	0
3	646	712	0	0	0	0	0	0	0	0
4	323	1,035	0	0	0	0	0	0	0	0
5	0	1,035	0	0	0	0	0	0	0	0
6	0	1,035	0	0	0	0	0	0	0	0
7	183	1,218	0	0	0	0	0	0	0	0
8	93	1,311	0	0	0	0	0	0	0	0
9	93	1,404	0	0	0	0	0	0	0	0
10	20	1,424	0	0	0	0	0	0	0	0
11	18	1,442	0	0	0	0	0	0	0	0
12	117	1,559	0	0	0	0	0	0	0	0
13	117	1,676	0	0	0	0	0	0	0	0
14	117	1,793	0	0	0	0	0	0	0	0
15	117	1,910	0	0	0	0	0	0	0	0
16	117	2,027	0	0	0	0	0	0	0	0
17	117	2,144	0	0	0	0	0	0	0	0
18	117	2,261	0	0	0	0	0	0	0	0
19	117	2,378	0	0	0	0	0	0	0	0
20	117	2,495	0	0	0	0	0	0	0	0
21	117	2,612	0	0	0	0	0	0	0	0
22	117	2,729	0	0	0	0	0	0	0	0
23	2	2,731	0	0	0	0	0	0	0	0
24	2	2,733	0	0	0	0	0	0	0	0
25	102	2,835	0	0	0	0	0	0	0	0
26	102	2,937	0	0	0	0	0	0	0	0
27	82	3,019	0	0	0	0	0	0	0	0
28	82	3,101	0	0	0	0	0	0	0	0
29	155	3,256	0	0	0	0	0	0	0	0
30	155	3,411	0	0	0	0	0	0	0	0
Jul 1	0	3,411	0	0	0	0	0	0	0	0
2	0	3,411	0	0	0	0	0	0	0	0
3	143	3,554	0	0	0	0	0	0	0	0
4	19	3,573	0	0	0	0	0	0	0	0
5	412	3,985	0	0	0	0	0	0	0	0
6	459	4,444	0	0	0	0	0	0	0	0
7	155	4,599	0	0	0	0	0	0	0	0
8	6	4,605	0	0	0	0	0	0	2	2
9	14	4,619	0	0	0	0	1	1	0	2
10	21	4,640	0	0	0	0	5	6	0	2
11	21	4,661	0	0	0	0	17	23	0	2
12	13	4,674	0	0	0	0	12	35	0	2
13	30	4,704	0	0	0	0	11	46	0	2
14	99	4,803	0	0	0	0	70	116	0	2
15	140	4,943	0	0	0	0	11	127	0	2
16	8	4,951	0	0	0	0	13	140	0	2
17	193	5,144	0	0	0	0	60	200	0	2
18	89	5,233	0	0	0	0	74	274	0	2
19	162	5,395	0	0	0	0	154	428	0	2
20	342	5,737	0	0	0	0	314	742	0	2
21	132	5,869	0	0	0	0	204	946	1	3
22	84	5,953	0	0	0	0	228	1,174	0	3
23	102	6,055	0	0	0	0	331	1,505	0	3
24	21	6,076	0	0	1	1	107	1,612	1	4
25	64	6,140	0	0	1	1	359	1,971	0	4
26	94	6,234	0	0	0	1	331	2,302	0	4
27	71	6,305	0	0	0	1	286	2,588	0	4
28	253	6,558	0	0	2	3	942	3,530	0	4
29	104	6,662	0	0	0	3	629	4,159	1	5
30	71	6,733	0	0	0	3	1,063	5,222	0	5
31	137	6,870	0	0	0	3	1,457	6,679	0	5
Aug 1	321	7,191	0	0	3	6	897	7,576	2	7

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Appendix H.8. (page 2 of 2)

Date	----SOCKEY-----		----CHINOOK-----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
2	177	7,368	0	0	2	8	1,676	9,252	0	7
3	652	8,020	0	0	13	21	5,406	14,658	0	7
4	158	8,178	0	0	2	23	3,312	17,970	0	7
5	86	8,264	0	0	6	29	4,266	22,236	0	7
6	113	8,377	0	0	2	31	3,576	25,812	0	7
7	220	8,597	0	0	2	33	3,745	29,557	0	7
8	135	8,732	0	0	20	53	3,946	33,503	0	7
9	50	8,782	0	0	38	91	4,148	37,651	0	7
10	25	8,807	0	0	128	219	2,833	40,484	0	7
11	59	8,866	0	0	20	239	8,024	48,508	0	7
12	1	8,867	0	0	49	288	5,063	53,571	0	7
13	15	8,882	0	0	25	313	2,743	56,314	0	7
14	3	8,885	0	0	20	333	1,575	57,889	0	7
15	0	8,885	0	0	59	392	3,008	60,897	0	7
16	0	8,885	0	0	57	449	1,027	61,924	0	7
17	0	8,885	0	0	58	507	781	62,705	0	7
18	15	8,900	0	0	64	571	2,488	65,193	0	7
19	1	8,901	0	0	42	613	537	65,730	9	16
20	0	8,901	0	0	37	650	180	65,910	3	19
21	1	8,902	0	0	101	751	225	66,135	2	21
22	2	8,904	0	0	89	840	577	66,712	3	24
23	7	8,911	0	0	78	918	1,065	67,777	2	26
24	6	8,917	0	0	44	962	565	68,342	0	26
25	0	8,917	0	0	24	986	2,073	70,415	0	26
26	0	8,917	0	0	198	1,184	6,104	76,519	4	30
27	0	8,917	0	0	254	1,438	4,191	80,710	0	30
28	0	8,917	0	0	213	1,651	1,058	81,768	2	32
29	0	8,917	0	0	112	1,763	530	82,298	0	32
30	0	8,917	0	0	1,733	3,496	1,357	83,655	0	32
31	0	8,917	0	0	309	3,805	1,565	85,220	0	32
Sep 1	0	8,917	0	0	119	3,924	874	86,094	0	32
2	0	8,917	0	0	163	4,087	968	87,062	0	32
3	0	8,917	0	0	180	4,267	770	87,832	3	35
4	1	8,918	0	0	91	4,358	427	88,259	2	37
5	7	8,925	0	0	117	4,475	1,298	89,557	2	39
6	1	8,926	0	0	65	4,540	1,860	91,417	2	41
7	0	8,926	0	0	444	4,984	3,463	94,880	0	41
8	0	8,926	0	0	81	5,065	221	95,101	0	41
9	0	8,926	0	0	65	5,130	150	95,251	2	43
10	0	8,926	0	0	48	5,178	209	95,460	2	45
11	0	8,926	0	0	22	5,200	585	96,045	1	46
12	0	8,926	0	0	39	5,239	680	96,725	0	46
13	2	8,928	0	0	26	5,265	716	97,441	2	48
14	1	8,929	0	0	56	5,321	456	97,897	0	48
15	0	8,929	0	0	87	5,408	345	98,242	0	48
16	0	8,929	0	0	58	5,466	209	98,451	0	48
17	1	8,930	0	0	71	5,537	132	98,583	0	48
18	0	8,930	0	0	76	5,613	94	98,677	0	48
19	0	8,930	0	0	98	5,711	75	98,752	1	49
20	0	8,930	0	0	83	5,794	87	98,839	1	50
21	1	8,931	0	0	153	5,947	29	98,868	0	50
22	0	8,931	0	0	27	5,974	21	98,889	0	50
23	0	8,931	0	0	72	6,046	4	98,893	0	50
24	0	8,931	0	0	147	6,193	2	98,895	0	50
25	0	8,931	0	0	40	6,233	2	98,897	0	50
26	5	8,936	0	0	363	6,596	34	98,931	0	50
27	0	8,936	0	0	750	7,346	14	98,945	0	50
28	0	8,936	0	0	55	7,401	2	98,947	0	50
29	1	8,937	0	0	63	7,464	2	98,949	0	50
30	0	8,937	0	0	24	7,488	0	98,949	0	50
Oct 1	2	8,939	0	0	1,847	9,335	9	98,958	1	51
2	0	8,939	0	0	254	9,589	0	98,958	0	51
3	0	8,939	0	0	350	9,939	0	98,958	0	51

Appendix H.9. Litnik daily and cumulative escapement counts for 1986.

Date	-----SOCKEYE-----		-----CHINOOK-----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
May 22	1	1	0	0	0	0	0	0	0	0
23	0	1	0	0	0	0	0	0	0	0
24	13	14	0	0	0	0	0	0	0	0
25	4	18	0	0	0	0	0	0	0	0
26	4	22	0	0	0	0	0	0	0	0
27	8	30	0	0	0	0	0	0	0	0
28	0	30	0	0	0	0	0	0	0	0
29	11	41	0	0	0	0	0	0	0	0
30	6	47	0	0	0	0	0	0	0	0
31	0	47	0	0	0	0	0	0	0	0
Jun 1	118	165	0	0	0	0	0	0	0	0
2	2	167	0	0	0	0	0	0	0	0
3	14	181	0	0	0	0	0	0	0	0
4	193	374	0	0	0	0	0	0	0	0
5	14	388	0	0	0	0	0	0	0	0
6	25	413	0	0	0	0	0	0	0	0
7	2,021	2,434	0	0	0	0	0	0	0	0
8	2,110	4,544	0	0	0	0	0	0	0	0
9	507	5,051	0	0	0	0	0	0	0	0
10	977	6,028	0	0	0	0	0	0	0	0
11	68	6,096	0	0	0	0	0	0	0	0
12	3,425	9,521	0	0	0	0	0	0	0	0
13	19	9,540	0	0	0	0	0	0	0	0
14	345	9,885	0	0	0	0	0	0	0	0
15	14,506	24,391	0	0	0	0	0	0	0	0
16	523	24,914	0	0	0	0	0	0	0	0
17	1,018	25,932	0	0	0	0	0	0	0	0
18	3,390	29,322	0	0	0	0	0	0	0	0
19	10	29,332	0	0	0	0	0	0	0	0
20	740	30,072	0	0	0	0	0	0	0	0
21	2,932	33,004	0	0	0	0	0	0	0	0
22	946	33,950	0	0	0	0	0	0	0	0
23	628	34,578	0	0	0	0	0	0	0	0
24	133	34,711	0	0	0	0	0	0	0	0
25	57	34,768	0	0	0	0	0	0	0	0
26	327	35,095	0	0	0	0	0	0	0	0
27	527	35,622	0	0	0	0	0	0	0	0
28	389	36,011	0	0	0	0	0	0	0	0
29	920	36,931	0	0	0	0	0	0	0	0
30	1,983	38,914	0	0	0	0	0	0	5	5
Jul 1	1,303	40,217	0	0	0	0	0	0	0	5
2	79	40,296	0	0	1	1	0	0	0	5
3	246	40,542	0	0	0	1	2	2	0	5
4	184	40,726	0	0	0	1	0	2	0	5
5	606	41,332	0	0	0	1	0	2	0	5
6	234	41,566	0	0	0	1	0	2	0	5
7	600	42,166	0	0	0	1	19	21	0	5
8	199	42,365	0	0	0	1	0	21	0	5
9	45	42,410	0	0	0	1	0	21	0	5
10	0	42,410	0	0	0	1	0	21	0	5
11	280	42,690	0	0	0	1	27	48	0	5
12	277	42,967	0	0	0	1	0	48	0	5
13	22	42,989	0	0	0	1	0	48	0	5
14	1,114	44,103	0	0	0	1	0	48	0	5
15	5	44,108	0	0	0	1	0	48	0	5
16	192	44,300	0	0	0	1	0	48	0	5
17	263	44,563	0	0	0	1	0	48	0	5
18	851	45,414	0	0	0	1	0	48	0	5
19	1,393	46,807	0	0	0	1	0	48	0	5
20	1	46,808	0	0	0	1	0	48	0	5
21	0	46,808	0	0	0	1	0	48	0	5
22	6	46,814	0	0	0	1	0	48	0	5
23	161	46,975	0	0	0	1	0	48	0	5
24	0	46,975	0	0	0	1	0	48	0	5
25	12	46,987	0	0	0	1	0	48	0	5
26	354	47,341	0	0	1	2	0	48	0	5
27	0	47,341	0	0	0	2	0	48	0	5
28	0	47,341	0	0	0	2	0	48	0	5
29	0	47,341	0	0	0	2	0	48	0	5
30	0	47,341	0	0	0	2	0	48	0	5
31	0	47,341	0	0	0	2	0	48	0	5
Aug 1	0	47,341	0	0	0	2	0	48	0	5
2	35	47,376	0	0	0	2	0	48	0	5
3	0	47,376	0	0	0	2	0	48	0	5
4	0	47,376	0	0	0	2	0	48	0	5

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Appendix H.9. (page 2 of 2)

Date	-----SOCKEYE-----		-----CHINOOK-----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
5	0	47,376	0	0	0	2	0	48	0	5
6	2	47,378	0	0	0	2	0	48	0	5
7	0	47,378	0	0	0	2	0	48	0	5
8	86	47,464	0	0	32	34	1,359	1,407	0	5
9	33	47,497	0	0	148	182	1,252	2,659	0	5
10	364	47,861	0	0	208	390	2,520	5,179	0	5
11	0	47,861	0	0	0	390	0	5,179	0	5
12	123	47,984	0	0	204	594	834	6,013	0	5
13	17	48,001	0	0	12	606	16	6,029	0	5
14	48	48,049	0	0	64	670	179	6,208	0	5
15	22	48,071	0	0	24	694	57	6,265	0	5
16	0	48,071	0	0	0	694	0	6,265	0	5
17	0	48,071	0	0	0	694	0	6,265	0	5
18	14	48,085	0	0	42	736	351	6,616	0	5
19	0	48,085	0	0	0	736	0	6,616	0	5
20	0	48,085	0	0	2	738	1	6,617	0	5
21	0	48,085	0	0	0	738	0	6,617	0	5
22	200	48,285	0	0	180	918	6,300	12,917	0	5
23	0	48,285	0	0	0	918	0	12,917	0	5
24	2	48,287	0	0	3	921	5	12,922	0	5
25	0	48,287	0	0	1	922	13	12,935	0	5
26	2	48,289	0	0	202	1,124	2,334	15,269	0	5
27	21	48,310	0	0	253	1,377	1,015	16,284	0	5
28	1	48,311	0	0	2	1,379	15	16,299	0	5
29	0	48,311	0	0	1	1,380	10	16,309	0	5
30	7	48,318	0	0	401	1,781	5,505	21,814	0	5
31	2	48,320	0	0	142	1,923	3,413	25,227	0	5
Sep 1	4	48,324	0	0	203	2,126	2,750	27,977	0	5
2	0	48,324	0	0	12	2,138	1,011	28,988	0	5
3	0	48,324	0	0	13	2,151	634	29,622	0	5
4	0	48,324	0	0	55	2,206	3,502	33,124	0	5
5	0	48,324	0	0	2	2,208	221	33,345	0	5
6	0	48,324	0	0	18	2,226	5,122	38,467	0	5
7	0	48,324	0	0	283	2,509	8,614	47,081	0	5
8	3	48,327	0	0	615	3,124	13,021	60,102	0	5
9	1	48,328	0	0	24	3,148	806	60,908	0	5
10	0	48,328	0	0	4	3,152	219	61,127	0	5
11	0	48,328	0	0	115	3,267	1,471	62,598	0	5
12	0	48,328	0	0	3	3,270	373	62,971	0	5
13	1	48,329	0	0	29	3,299	1,021	63,992	0	5
14	0	48,329	0	0	6	3,305	772	64,764	0	5
15	1	48,330	0	0	96	3,401	1,956	66,720	1	6
16	0	48,330	0	0	2	3,403	126	66,846	0	6
17	0	48,330	0	0	6	3,409	217	67,063	0	6
18	1	48,331	0	0	126	3,535	816	67,879	0	6
19	0	48,331	0	0	5	3,540	33	67,912	0	6
20	0	48,331	0	0	5	3,545	42	67,954	0	6
21	0	48,331	0	0	7	3,552	47	68,001	0	6
22	1	48,332	0	0	3	3,555	40	68,041	0	6
23	0	48,332	0	0	0	3,555	0	68,041	0	6
24	0	48,332	0	0	0	3,555	5	68,046	0	6
25	0	48,332	0	0	0	3,555	3	68,049	0	6
26	0	48,332	0	0	0	3,555	0	68,049	0	6
27	1	48,333	0	0	27	3,582	3	68,052	0	6
28	0	48,333	0	0	1,500	5,082	0	68,052	0	6
29	0	48,333	0	0	0	5,082	0	68,052	0	6
30	0	48,333	0	0	0	5,082	0	68,052	0	6

Appendix H.10. Pauls Bay daily and cumulative escapement counts for 1986.

Date	----SOCKEYE----		----CHINOOK----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
Jun 10	5	5	0	0	0	0	0	0	0	0
11	62	67	0	0	0	0	0	0	0	0
12	200	267	0	0	0	0	0	0	0	0
13	0	267	0	0	0	0	0	0	0	0
14	31	298	0	0	0	0	0	0	0	0
15	64	362	0	0	0	0	0	0	0	0
16	894	1,256	0	0	0	0	0	0	0	0
17	433	1,689	0	0	0	0	0	0	0	0
18	200	1,889	0	0	0	0	0	0	0	0
19	200	2,089	0	0	0	0	0	0	0	0
20	25	2,114	0	0	0	0	0	0	0	0
21	276	2,390	0	0	0	0	0	0	0	0
22	46	2,436	0	0	0	0	0	0	0	0
23	51	2,487	0	0	0	0	0	0	0	0
24	143	2,630	0	0	0	0	0	0	0	0
25	269	2,899	0	0	0	0	0	0	0	0
26	178	3,077	0	0	0	0	0	0	0	0
27	53	3,130	0	0	0	0	0	0	0	0
28	109	3,239	0	0	0	0	0	0	0	0
29	198	3,437	0	0	0	0	0	0	0	0
30	214	3,651	0	0	0	0	0	0	0	0
Jul 1	51	3,702	0	0	0	0	0	0	0	0
2	93	3,795	0	0	0	0	0	0	0	0
3	3	3,798	0	0	0	0	0	0	0	0
4	169	3,967	0	0	0	0	0	0	0	0
5	71	4,038	0	0	0	0	0	0	0	0
6	42	4,080	0	0	0	0	0	0	0	0
7	37	4,117	0	0	0	0	0	0	0	0
8	94	4,211	0	0	0	0	0	0	0	0
9	101	4,312	0	0	0	0	0	0	0	0
10	87	4,399	0	0	0	0	0	0	0	0
11	104	4,503	0	0	0	0	0	0	0	0
12	189	4,692	0	0	0	0	0	0	0	0
13	130	4,822	0	0	0	0	0	0	0	0
14	63	4,885	0	0	0	0	0	0	0	0
15	145	5,030	0	0	0	0	0	0	0	0
16	62	5,092	0	0	0	0	0	0	0	0
17	5	5,097	0	0	0	0	0	0	0	0
18	250	5,347	0	0	0	0	0	0	0	0
19	0	5,347	0	0	0	0	0	0	0	0
20	0	5,347	0	0	0	0	0	0	0	0
21	0	5,347	0	0	0	0	0	0	0	0
22	0	5,347	0	0	0	0	0	0	0	0
23	0	5,347	0	0	0	0	0	0	0	0
24	0	5,347	0	0	0	0	0	0	0	0
25	0	5,347	0	0	0	0	0	0	0	0
26	0	5,347	0	0	0	0	0	0	0	0
27	0	5,347	0	0	0	0	0	0	0	0
28	0	5,347	0	0	0	0	0	0	0	0
29	0	5,347	0	0	0	0	0	0	0	0
30	0	5,347	0	0	0	0	0	0	0	0
31	0	5,347	0	0	0	0	0	0	0	0
Aug 1	0	5,347	0	0	0	0	0	0	0	0
2	0	5,347	0	0	0	0	0	0	0	0
3	0	5,347	0	0	0	0	0	0	0	0
4	0	5,347	0	0	0	0	0	0	0	0
5	0	5,347	0	0	0	0	0	0	0	0
6	0	5,347	0	0	0	0	0	0	0	0
7	0	5,347	0	0	0	0	0	0	0	0
8	11	5,358	0	0	111	111	5	5	0	0
9	4	5,362	0	0	358	469	26	31	0	0
10	6	5,368	0	0	279	748	33	64	0	0
11	1	5,369	0	0	33	781	10	74	0	0
12	1	5,370	0	0	274	1,055	8	82	0	0
13	5	5,375	0	0	524	1,579	7	89	0	0
14	2	5,377	0	0	24	1,603	3	92	0	0
15	9	5,386	0	0	519	2,122	35	127	0	0
16	4	5,390	0	0	538	2,660	17	144	0	0
17	2	5,392	0	0	46	2,706	1	145	0	0
18	2	5,394	0	0	43	2,749	14	159	0	0
19	1	5,395	0	0	217	2,966	7	166	0	0
20	0	5,395	0	0	62	3,028	2	168	0	0
21	0	5,395	0	0	16	3,044	2	170	0	0
22	0	5,395	0	0	202	3,246	2	172	0	0
23	0	5,395	0	0	233	3,479	93	265	0	0

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Appendix H.10. (page 2 of 2)

Date	----SOCKEYE----		----CHINOOK----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
24	4	5,399	0	0	748	4,227	57	322	0	0
25	0	5,399	0	0	28	4,255	14	336	0	0
26	0	5,399	0	0	1,481	5,736	322	658	0	0
27	0	5,399	0	0	938	6,674	323	981	0	0
28	1	5,400	0	0	1,422	8,096	381	1,362	0	0
29	0	5,400	0	0	81	8,177	28	1,390	0	0
30	2	5,402	0	0	529	8,706	234	1,624	0	0
31	0	5,402	0	0	53	8,759	63	1,687	0	0
Sep 1	0	5,402	0	0	244	9,003	0	1,687	0	0
2	0	5,402	0	0	0	9,003	0	1,687	0	0
3	0	5,402	0	0	400	9,403	0	1,687	0	0
4	0	5,402	0	0	0	9,403	0	1,687	0	0
5	0	5,402	0	0	0	9,403	0	1,687	0	0
6	0	5,402	0	0	0	9,403	0	1,687	0	0
7	0	5,402	0	0	0	9,403	0	1,687	0	0
8	0	5,402	0	0	0	9,403	0	1,687	0	0
9	0	5,402	0	0	0	9,403	0	1,687	0	0
10	0	5,402	0	0	0	9,403	0	1,687	0	0
11	0	5,402	0	0	0	9,403	0	1,687	0	0
12	0	5,402	0	0	0	9,403	0	1,687	0	0
13	0	5,402	0	0	0	9,403	0	1,687	0	0
14	0	5,402	0	0	0	9,403	0	1,687	0	0
15	0	5,402	0	0	0	9,403	0	1,687	0	0
16	0	5,402	0	0	0	9,403	0	1,687	0	0
17	0	5,402	0	0	0	9,403	0	1,687	0	0
18	0	5,402	0	0	0	9,403	0	1,687	0	0
19	0	5,402	0	0	0	9,403	0	1,687	0	0
20	0	5,402	0	0	0	9,403	0	1,687	0	0
21	0	5,402	0	0	0	9,403	0	1,687	0	0
22	0	5,402	0	0	0	9,403	0	1,687	0	0
23	0	5,402	0	0	0	9,403	0	1,687	0	0
24	0	5,402	0	0	0	9,403	0	1,687	0	0
25	0	5,402	0	0	0	9,403	0	1,687	0	0
26	0	5,402	0	0	0	9,403	0	1,687	0	0
27	0	5,402	0	0	0	9,403	0	1,687	0	0
28	0	5,402	0	0	0	9,403	0	1,687	0	0
29	0	5,402	0	0	0	9,403	0	1,687	0	0
30	0	5,402	0	0	0	9,403	0	1,687	0	0

Appendix H.11.

Thorsheim daily and cumulative escapement counts for 1986.

Date	----SOCKEYE----		----CHINOOK----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
Jun 17	380	380	0	0	0	0	0	0	0	0
18	124	504	0	0	0	0	0	0	0	0
19	184	688	0	0	0	0	0	0	0	0
20	260	948	0	0	0	0	0	0	0	0
21	546	1,494	0	0	0	0	0	0	0	0
22	63	1,557	0	0	0	0	0	0	0	0
23	12	1,569	0	0	0	0	0	0	0	0
24	2	1,571	0	0	0	0	0	0	0	0
25	0	1,571	0	0	0	0	0	0	0	0
26	0	1,571	0	0	0	0	0	0	0	0
27	17	1,588	0	0	0	0	0	0	0	0
28	30	1,618	0	0	0	0	0	0	0	0
29	98	1,716	0	0	0	0	0	0	0	0
30	1,640	3,356	0	0	0	0	0	0	0	0
Jul 1	133	3,489	0	0	0	0	0	0	0	0
2	234	3,723	0	0	0	0	0	0	0	0
3	364	4,087	0	0	0	0	0	0	0	0
4	32	4,119	0	0	0	0	0	0	0	0
5	1	4,120	0	0	0	0	0	0	0	0
6	3	4,123	0	0	0	0	0	0	0	0
7	23	4,146	0	0	0	0	0	0	0	0
8	71	4,217	0	0	0	0	0	0	0	0
9	932	5,149	0	0	0	0	0	0	0	0
10	715	5,864	0	0	0	0	0	0	0	0
11	233	6,097	0	0	0	0	0	0	0	0
12	43	6,140	0	0	0	0	0	0	0	0
13	28	6,168	0	0	0	0	0	0	0	0
14	11	6,179	0	0	0	0	0	0	0	0
15	10	6,189	0	0	0	0	0	0	0	0
16	6	6,195	0	0	0	0	0	0	0	0
17	134	6,329	0	0	0	0	0	0	0	0
18	33	6,362	0	0	0	0	0	0	0	0
19	17	6,379	0	0	0	0	0	0	0	0
20	4	6,383	0	0	0	0	0	0	0	0
21	0	6,383	0	0	0	0	0	0	0	0
22	0	6,383	0	0	0	0	0	0	0	0
23	0	6,383	0	0	0	0	0	0	0	0
24	0	6,383	0	0	0	0	0	0	0	0
25	0	6,383	0	0	0	0	0	0	0	0
26	0	6,383	0	0	0	0	0	0	0	0
27	0	6,383	0	0	0	0	0	0	0	0
28	0	6,383	0	0	0	0	0	0	0	0
29	0	6,383	0	0	0	0	0	0	0	0
30	0	6,383	0	0	0	0	0	0	0	0
31	0	6,383	0	0	0	0	0	0	0	0
Aug 1	0	6,383	0	0	0	0	0	0	0	0
2	0	6,383	0	0	0	0	0	0	0	0
3	0	6,383	0	0	0	0	0	0	0	0
4	0	6,383	0	0	0	0	0	0	0	0
5	0	6,383	0	0	0	0	0	0	0	0
6	0	6,383	0	0	0	0	0	0	0	0
7	0	6,383	0	0	0	0	0	0	0	0
8	0	6,383	0	0	0	0	0	0	0	0
9	0	6,383	0	0	0	0	0	0	0	0
10	0	6,383	0	0	0	0	0	0	0	0
11	0	6,383	0	0	0	0	0	0	0	0
12	0	6,383	0	0	0	0	0	0	0	0
13	0	6,383	0	0	0	0	0	0	0	0
14	0	6,383	0	0	0	0	0	0	0	0
15	0	6,383	0	0	0	0	0	0	0	0
16	0	6,383	0	0	0	0	0	0	0	0
17	0	6,383	0	0	0	0	0	0	0	0
18	0	6,383	0	0	0	0	0	0	0	0
19	0	6,383	0	0	0	0	0	0	0	0
20	0	6,383	0	0	0	0	0	0	0	0
21	0	6,383	0	0	0	0	0	0	0	0
22	0	6,383	0	0	0	0	0	0	0	0
23	0	6,383	0	0	0	0	0	0	0	0
24	0	6,383	0	0	0	0	0	0	0	0
25	0	6,383	0	0	0	0	0	0	0	0
26	0	6,383	0	0	48	48	0	0	0	0
27	0	6,383	0	0	32	80	0	0	0	0
28	0	6,383	0	0	6	86	0	0	0	0
29	0	6,383	0	0	10	96	0	0	0	0
30	0	6,383	0	0	26	122	0	0	0	0

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Appendix H.11 (page 2 of 2)

Date	----SOCKEYE----		----CHINOOK----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
31	0	6,383	0	0	17	139	0	0	0	0
Sep 1	0	6,383	0	0	0	139	0	0	0	0
2	0	6,383	0	0	0	139	0	0	0	0
3	0	6,383	0	0	0	139	0	0	0	0
4	0	6,383	0	0	0	139	0	0	0	0
5	0	6,383	0	0	0	139	0	0	0	0
6	0	6,383	0	0	1	140	0	0	0	0
7	0	6,383	0	0	46	186	0	0	0	0
8	0	6,383	0	0	74	260	0	0	0	0
9	0	6,383	0	0	6	266	0	0	0	0
10	0	6,383	0	0	0	266	0	0	0	0
11	0	6,383	0	0	15	281	0	0	0	0
12	0	6,383	0	0	0	281	0	0	0	0
13	0	6,383	0	0	0	281	0	0	0	0
14	0	6,383	0	0	0	281	0	0	0	0
15	0	6,383	0	0	0	281	0	0	0	0
16	0	6,383	0	0	0	281	0	0	0	0
17	0	6,383	0	0	0	281	0	0	0	0
18	0	6,383	0	0	0	281	0	0	0	0
19	0	6,383	0	0	0	281	0	0	0	0
20	0	6,383	0	0	0	281	0	0	0	0
21	0	6,383	0	0	0	281	0	0	0	0
22	0	6,383	0	0	0	281	0	0	0	0
23	0	6,383	0	0	0	281	0	0	0	0
24	0	6,383	0	0	0	281	0	0	0	0
25	0	6,383	0	0	0	281	0	0	0	0
26	0	6,383	0	0	0	281	0	0	0	0
27	0	6,383	0	0	0	281	0	0	0	0
28	0	6,383	0	0	0	281	0	0	0	0
29	0	6,383	0	0	0	281	0	0	0	0
30	0	6,383	0	0	0	281	0	0	0	0

Appendix I.1. Karluk daily and cumulative escapement counts for 1987.

Date	----SOCKEYE----		----CHINOOK----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
May 20	0	0	3	3	0	0	0	0	0	0
21	2	2	10	13	0	0	0	0	0	0
22	0	2	8	21	0	0	0	0	0	0
23	0	2	10	31	0	0	0	0	0	0
24	2	4	43	74	0	0	0	0	0	0
25	7	11	48	122	0	0	0	0	0	0
26	0	11	23	145	0	0	0	0	0	0
27	1	12	36	181	0	0	0	0	0	0
28	1	13	77	258	0	0	0	0	0	0
29	0	13	29	287	0	0	0	0	0	0
30	54	67	60	347	0	0	0	0	0	0
31	64	131	47	394	0	0	0	0	0	0
Jun 1	14	145	25	419	0	0	0	0	0	0
2	3,635	3,780	96	515	0	0	0	0	0	0
3	8,075	11,855	123	638	0	0	0	0	0	0
4	25,338	37,193	92	730	0	0	0	0	0	0
5	12,476	49,669	83	813	0	0	0	0	0	0
6	14,364	64,033	262	1,075	0	0	0	0	0	0
7	18,006	82,039	111	1,186	0	0	0	0	0	0
8	8,000	90,039	73	1,259	0	0	0	0	0	0
9	4,873	94,912	173	1,432	0	0	0	0	0	0
10	3,065	97,977	44	1,476	0	0	0	0	0	0
11	5,552	103,529	184	1,660	0	0	0	0	0	0
12	6,438	109,967	181	1,841	0	0	0	0	0	0
13	6,542	116,509	122	1,963	0	0	0	0	0	0
14	12,603	129,112	439	2,402	0	0	0	0	0	0
15	7,037	136,149	179	2,581	0	0	0	0	0	0
16	5,580	141,729	168	2,749	0	0	0	0	0	0
17	34,038	175,767	83	2,832	0	0	0	0	0	0
18	28,664	204,431	278	3,110	0	0	0	0	0	0
19	13,476	217,907	564	3,674	0	0	0	0	0	0
20	4,845	222,752	208	3,882	0	0	0	0	0	0
21	19,814	242,566	403	4,285	0	0	3	3	0	0
22	15,819	258,385	226	4,511	0	0	12	15	0	0
23	10,754	269,139	213	4,724	0	0	0	15	0	0
24	10,994	280,133	114	4,838	0	0	0	15	0	0
25	7,526	287,659	317	5,155	0	0	0	15	0	0
26	3,681	291,340	437	5,592	0	0	0	15	0	0
27	2,880	294,220	358	5,950	0	0	0	15	0	0
28	1,442	295,662	107	6,057	0	0	1	16	0	0
29	1,690	297,352	143	6,200	0	0	1	17	0	0
30	2,662	300,014	196	6,396	0	0	0	17	0	0
Jul 1	2,207	302,221	153	6,549	0	0	0	17	0	0
2	1,449	303,670	210	6,759	0	0	0	17	0	0
3	597	304,267	117	6,876	0	0	0	17	0	0
4	1,213	305,480	130	7,006	0	0	0	17	0	0
5	4,290	309,770	82	7,088	0	0	0	17	0	0
6	3,832	313,602	84	7,172	0	0	1	18	0	0
7	4,713	318,315	86	7,258	0	0	0	18	1	1
8	2,891	321,206	87	7,345	0	0	0	18	1	2
9	2,755	323,961	89	7,434	0	0	0	18	0	2
10	1,888	325,849	65	7,499	0	0	0	18	0	2
11	2,616	328,465	48	7,547	0	0	0	18	1	3
12	2,185	330,650	23	7,570	0	0	1	19	0	3
13	2,463	333,113	39	7,609	0	0	8	27	11	14
14	2,894	336,007	23	7,632	0	0	3	30	3	17
15	925	336,932	18	7,650	0	0	0	30	7	24
16	2,844	339,776	41	7,691	0	0	8	38	12	36
17	1,742	341,518	15	7,706	0	0	12	50	10	46
18	3,871	345,389	17	7,723	0	0	75	125	8	54
19	2,832	348,221	16	7,739	0	0	71	196	3	57
20	3,494	351,715	16	7,755	0	0	73	269	3	60
21	2,379	354,094	18	7,773	0	0	65	334	6	66
22	2,045	356,139	14	7,787	0	0	47	381	13	79
23	1,475	357,614	12	7,799	0	0	40	421	5	84
24	315	357,929	11	7,810	0	0	7	428	1	85
25	596	358,525	9	7,819	0	0	23	451	1	86
26	335	358,860	7	7,826	0	0	19	470	0	86
27	2,300	361,160	11	7,837	0	0	66	536	2	88
28	807	361,967	7	7,844	0	0	56	592	0	88
29	273	362,240	4	7,848	0	0	102	694	4	92
30	1,052	363,292	14	7,862	0	0	52	746	1	93
31	1,595	364,887	3	7,865	0	0	52	798	0	93
Aug 1	1,862	366,749	6	7,871	0	0	61	859	0	93
2	611	367,360	2	7,873	0	0	54	913	1	94

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Appendix I.1. (page 2 of 2)

Date	-----SOCKEYE-----		-----CHINOOK-----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
3	1,714	369,074	5	7,878	0	0	66	979	1	95
4	1,575	370,649	6	7,884	0	0	138	1,117	2	97
5	353	371,002	6	7,890	0	0	65	1,182	8	105
6	646	371,648	4	7,894	0	0	166	1,348	1	106
7	2,331	373,979	2	7,896	0	0	173	1,521	4	110
8	8,095	382,074	4	7,900	0	0	529	2,050	4	114
9	16,887	398,961	2	7,902	0	0	393	2,443	6	120
10	6,466	405,427	6	7,908	0	0	290	2,733	2	122
11	4,705	410,132	4	7,912	0	0	307	3,040	3	125
12	101	410,233	3	7,915	1	1	47	3,087	2	127
13	185	410,418	1	7,916	4	5	107	3,194	1	128
14	1,239	411,657	2	7,918	5	10	399	3,593	1	129
15	11,738	423,395	2	7,920	9	19	521	4,114	0	129
16	22,606	446,001	3	7,923	16	35	573	4,687	3	132
17	4,766	450,767	1	7,924	14	49	406	5,093	2	134
18	8,167	458,934	0	7,924	4	53	295	5,388	1	135
19	5,197	464,131	1	7,925	3	56	293	5,681	0	135
20	356	464,487	0	7,925	0	56	53	5,734	0	135
21	1,399	465,886	2	7,927	1	57	401	6,135	0	135
22	257	466,143	0	7,927	0	57	104	6,239	0	135
23	13,612	479,755	1	7,928	28	85	2,391	8,630	2	137
24	1,656	481,411	1	7,929	60	145	1,006	9,636	0	137
25	710	482,121	0	7,929	19	164	233	9,869	0	137
26	3,404	485,525	0	7,929	32	196	680	10,549	6	143
27	6,608	492,133	1	7,930	32	228	455	11,004	4	147
28	8,770	500,903	0	7,930	53	281	869	11,873	3	150
29	7,133	508,036	0	7,930	32	313	1,143	13,016	7	157
30	5,138	513,174	0	7,930	21	334	537	13,553	3	160
31	3,912	517,086	0	7,930	29	363	602	14,155	8	168
Sep 1	7,561	524,647	0	7,930	41	404	1,651	15,806	12	180
2	1,578	526,225	0	7,930	21	425	605	16,411	5	185
3	635	526,860	0	7,930	24	449	1,032	17,443	7	192
4	43,973	570,833	0	7,930	267	716	1,795	19,238	8	200
5	7,086	577,919	0	7,930	58	774	859	20,097	17	217
6	28,747	606,666	0	7,930	430	1,204	1,616	21,713	16	233
7	12,835	619,501	0	7,930	3,331	4,535	1,200	22,913	35	268
8	217	619,718	0	7,930	24	4,559	76	22,989	9	277
9	482	620,200	0	7,930	155	4,714	337	23,326	12	289
10	7,429	627,629	0	7,930	295	5,009	212	23,538	21	310
11	3,281	630,910	0	7,930	144	5,153	173	23,711	15	325
12	3,648	634,558	0	7,930	156	5,309	102	23,813	12	337
13	81	634,639	0	7,930	0	5,309	6	23,819	2	339
14	7,135	641,774	0	7,930	76	5,385	85	23,904	5	344
15	226	642,000	0	7,930	0	5,385	27	23,931	6	350
16	50,988	692,988	0	7,930	2,077	7,462	169	24,100	13	363
17	4,368	697,356	0	7,930	449	7,911	22	24,122	9	372
18	4,514	701,870	0	7,930	381	8,292	16	24,138	5	377
19	9,770	711,640	0	7,930	648	8,940	27	24,165	10	387
20	20,420	732,060	0	7,930	926	9,866	13	24,178	9	396
21	243	732,303	0	7,930	6	9,872	0	24,178	0	396
22	10,416	742,719	0	7,930	1,814	11,686	20	24,198	11	407
23	902	743,621	0	7,930	2,833	14,519	10	24,208	9	416
24	17,654	761,275	0	7,930	10,856	25,375	10	24,218	7	423
25	1,251	762,526	0	7,930	2,679	28,054	4	24,222	10	433
26	2,169	764,695	0	7,930	5,410	33,464	0	24,222	9	442
27	863	765,558	0	7,930	3,290	36,754	0	24,222	5	447
28	493	766,051	0	7,930	880	37,634	0	24,222	2	449
29	200	766,251	0	7,930	5,000	42,634	0	24,222	0	449
30	0	766,251	0	7,930	0	42,634	0	24,222	0	449

Appendix I.2. Ayakulik daily and cumulative escapement counts for 1987.

Date	----SCKEYE----		----CHINOOK----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
May 24	0	0	30	30	0	0	0	0	0	0
25	0	0	6	36	0	0	0	0	0	0
26	0	0	49	85	0	0	0	0	0	0
27	4	4	82	167	0	0	0	0	0	0
28	38	42	58	225	0	0	0	0	0	0
29	35	77	45	270	0	0	0	0	0	0
30	544	621	91	361	0	0	0	0	0	0
31	431	1,052	54	415	0	0	0	0	0	0
Jun 1	553	1,605	76	491	0	0	0	0	0	0
2	1,263	2,868	35	526	0	0	0	0	0	0
3	594	3,462	12	538	0	0	0	0	0	0
4	1,043	4,505	375	913	0	0	0	0	0	0
5	4,301	8,806	372	1,285	0	0	0	0	0	0
6	6,706	15,512	786	2,071	0	0	0	0	0	0
7	4,214	19,726	371	2,442	0	0	0	0	0	0
8	5,838	25,564	169	2,611	0	0	0	0	0	0
9	687	26,251	132	2,743	0	0	0	0	0	0
10	10,156	36,407	414	3,157	0	0	0	0	0	0
11	867	37,274	423	3,580	0	0	0	0	0	0
12	505	37,779	91	3,671	0	0	0	0	0	0
13	563	38,342	133	3,804	0	0	0	0	0	0
14	2,721	41,063	240	4,044	0	0	0	0	0	0
15	215	41,278	114	4,158	0	0	0	0	0	0
16	208	41,486	274	4,432	0	0	0	0	0	0
17	4,146	45,632	574	5,006	0	0	0	0	0	0
18	3,605	49,237	405	5,411	0	0	0	0	0	0
19	8,880	58,117	303	5,714	0	0	0	0	0	0
20	11,153	69,270	257	5,971	0	0	0	0	0	0
21	15,038	84,308	1,066	7,037	0	0	0	0	0	0
22	9,918	94,226	652	7,689	0	0	0	0	0	0
23	13,413	107,639	980	8,669	0	0	0	0	0	0
24	1,897	109,536	750	9,419	0	0	0	0	0	0
25	1,659	111,195	225	9,644	0	0	0	0	0	0
26	1,721	112,916	375	10,019	0	0	0	0	0	0
27	2,478	115,394	1,052	11,071	0	0	0	0	0	0
28	361	115,755	370	11,441	0	0	0	0	0	0
29	2,509	118,264	233	11,674	0	0	0	0	0	0
30	1,168	119,432	397	12,071	0	0	0	0	0	0
Jul 1	2,268	121,700	338	12,409	0	0	0	0	0	0
2	1,009	122,709	360	12,769	0	0	0	0	1	1
3	21,670	144,379	926	13,695	0	0	0	0	0	1
4	8,424	152,803	680	14,375	0	0	2	2	0	1
5	9,142	161,945	217	14,592	0	0	3	5	0	1
6	6,345	168,290	140	14,732	0	0	3	8	0	1
7	369	168,659	38	14,770	0	0	3	11	0	1
8	1,644	170,303	161	14,931	0	0	13	24	0	1
9	223	170,526	31	14,962	0	0	2	26	0	1
10	2,966	173,492	109	15,071	0	0	3	29	0	1
11	1,828	175,320	105	15,176	0	0	7	36	1	2
12	3,332	178,652	94	15,270	0	0	37	73	1	3
13	144	178,796	19	15,289	0	0	12	85	0	3
14	1,460	180,256	61	15,350	0	0	81	166	0	3
15	259	180,515	12	15,362	0	0	37	203	1	4
16	251	180,766	14	15,376	0	0	9	212	0	4
17	1,578	182,344	30	15,406	0	0	32	244	0	4
18	500	182,844	17	15,423	0	0	16	260	0	4
19	500	183,344	17	15,440	0	0	17	277	0	4
20	500	183,844	16	15,456	0	0	17	294	0	4
21	262	184,106	15	15,471	0	0	21	315	0	4
22	174	184,280	4	15,475	0	0	10	325	1	5
23	1,493	185,773	10	15,485	0	0	41	366	0	5
24	255	186,028	4	15,489	0	0	11	377	1	6
25	8,156	194,184	25	15,514	0	0	133	510	3	9
26	6,045	200,229	18	15,532	0	0	43	553	0	9
27	17,282	217,511	9	15,541	0	0	102	655	0	9
28	4,531	222,042	6	15,547	0	0	75	730	6	15
29	1,071	223,113	6	15,553	0	0	29	759	3	18
30	812	223,925	2	15,555	0	0	83	842	2	20
31	5,130	229,055	12	15,567	0	0	72	914	4	24
Aug 1	12,321	241,376	6	15,573	0	0	111	1,025	6	30
2	337	241,713	2	15,575	0	0	9	1,034	2	32
3	34	241,747	2	15,577	0	0	4	1,038	1	33
4	1,890	243,637	4	15,581	0	0	103	1,141	0	33
5	1,423	245,060	4	15,585	0	0	212	1,353	0	33
6	179	245,239	2	15,587	23	23	14	1,367	6	39

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Appendix I.2. (page 2 of 2)

Date	-----SOCKEYE-----		-----CHINOOK-----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
7	762	246,001	7	15,594	120	143	120	1,487	14	53
8	835	246,836	3	15,597	143	286	215	1,702	13	66
9	411	247,247	1	15,598	62	348	176	1,878	11	77
10	299	247,546	4	15,602	64	412	150	2,028	5	82
11	81	247,627	1	15,603	19	431	26	2,054	4	86
12	170	247,797	3	15,606	39	470	31	2,085	8	94
13	1,157	248,954	2	15,608	244	714	374	2,459	8	102
14	1,787	250,741	3	15,611	263	977	239	2,698	1	103
15	1,288	252,029	2	15,613	161	1,138	157	2,855	6	109
16	417	252,446	3	15,616	45	1,183	88	2,943	15	124
17	439	252,885	2	15,618	183	1,366	186	3,129	12	136
18	4,027	256,912	1	15,619	420	1,786	364	3,493	18	154
19	1,273	258,185	7	15,626	235	2,021	273	3,766	13	167
20	616	258,801	3	15,629	288	2,309	256	4,022	10	177
21	806	259,607	0	15,629	301	2,610	235	4,257	21	198
22	259	259,866	1	15,630	91	2,701	78	4,335	21	219
23	710	260,576	1	15,631	730	3,431	328	4,663	24	243
24	13	260,589	1	15,632	297	3,728	23	4,686	2	245
25	384	260,973	1	15,633	1,717	5,445	299	4,985	8	253
26	341	261,314	3	15,636	455	5,900	209	5,194	10	263
27	146	261,460	0	15,636	436	6,336	195	5,389	4	267
28	138	261,598	0	15,636	689	7,025	259	5,648	9	276
29	74	261,672	0	15,636	190	7,215	190	5,838	10	286
30	13	261,685	0	15,636	139	7,354	86	5,924	12	298
31	45	261,730	0	15,636	495	7,849	370	6,294	21	319
Sep 1	74	261,804	0	15,636	749	8,598	351	6,645	25	344
2	4	261,808	0	15,636	105	8,703	14	6,659	4	348
3	35	261,843	0	15,636	3,407	12,110	500	7,159	24	372
4	50	261,893	0	15,636	2,758	14,868	430	7,589	22	394
5	11	261,904	0	15,636	1,043	15,911	137	7,726	19	413
6	9	261,913	0	15,636	331	16,242	93	7,819	24	437
7	0	261,913	0	15,636	100	16,342	0	7,819	0	437
8	0	261,913	0	15,636	0	16,342	0	7,819	0	437
9	0	261,913	0	15,636	0	16,342	0	7,819	0	437
10	0	261,913	0	15,636	0	16,342	0	7,819	0	437
11	0	261,913	0	15,636	0	16,342	0	7,819	0	437
12	0	261,913	0	15,636	0	16,342	0	7,819	0	437
13	0	261,913	0	15,636	0	16,342	0	7,819	0	437
14	0	261,913	0	15,636	0	16,342	0	7,819	0	437
15	0	261,913	0	15,636	0	16,342	0	7,819	0	437
16	0	261,913	0	15,636	0	16,342	0	7,819	0	437
17	0	261,913	0	15,636	0	16,342	0	7,819	0	437
18	0	261,913	0	15,636	0	16,342	0	7,819	0	437
19	0	261,913	0	15,636	0	16,342	0	7,819	0	437
20	0	261,913	0	15,636	0	16,342	0	7,819	0	437
21	0	261,913	0	15,636	0	16,342	0	7,819	0	437
22	0	261,913	0	15,636	0	16,342	0	7,819	0	437
23	0	261,913	0	15,636	0	16,342	0	7,819	0	437
24	0	261,913	0	15,636	0	16,342	0	7,819	0	437
25	0	261,913	0	15,636	0	16,342	0	7,819	0	437
26	0	261,913	0	15,636	0	16,342	0	7,819	0	437
27	0	261,913	0	15,636	0	16,342	0	7,819	0	437
28	0	261,913	0	15,636	0	16,342	0	7,819	0	437
29	0	261,913	0	15,636	0	16,342	0	7,819	0	437
30	0	261,913	0	15,636	0	16,342	0	7,819	0	437

Appendix I.3. Dog Salmon daily and cumulative escapement counts for 1987.

Date	----SOCKEYE-----		----CHINOOK-----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
Jun 9	1	1	0	0	0	0	0	0	0	0
10	2	3	0	0	0	0	0	0	0	0
11	1	4	0	0	0	0	0	0	0	0
12	2	6	0	0	0	0	0	0	0	0
13	1	7	0	0	0	0	0	0	0	0
14	0	7	0	0	0	0	0	0	0	0
15	0	7	0	0	0	0	0	0	0	0
16	1	8	0	0	0	0	0	0	0	0
17	0	8	0	0	0	0	0	0	0	0
18	1	9	1	1	0	0	0	0	0	0
19	3	12	0	1	0	0	0	0	0	0
20	0	12	0	1	0	0	0	0	1	1
21	1	13	1	2	0	0	0	0	1	2
22	2	15	0	2	0	0	0	0	0	2
23	64	79	2	4	0	0	0	0	2	4
24	15	94	1	5	0	0	0	0	2	6
25	11	105	0	5	0	0	0	0	3	9
26	19	124	1	6	0	0	0	0	6	15
27	18	142	1	7	0	0	0	0	7	22
28	16	158	0	7	0	0	0	0	3	25
29	2,400	2,558	4	11	0	0	0	0	10	35
30	4,800	7,358	4	15	0	0	0	0	10	45
Jul 1	16,032	23,390	5	20	0	0	0	0	122	167
2	1,520	24,910	2	22	0	0	3	3	48	215
3	1,355	26,265	6	28	0	0	6	9	49	264
4	570	26,835	5	33	0	0	3	12	24	288
5	94	26,929	2	35	0	0	1	13	22	310
6	1,036	27,965	3	38	0	0	9	22	78	388
7	491	28,456	2	40	0	0	2	24	16	404
8	1,106	29,562	3	43	0	0	56	80	144	548
9	201	29,763	7	50	0	0	80	160	141	689
10	710	30,473	5	55	0	0	134	294	269	958
11	307	30,780	2	57	0	0	168	462	373	1,331
12	231	31,011	7	64	0	0	134	596	413	1,744
13	1,891	32,902	8	72	0	0	178	774	787	2,531
14	641	33,543	1	73	0	0	174	948	540	3,071
15	530	34,073	1	74	0	0	223	1,171	700	3,771
16	247	34,320	4	78	0	0	226	1,397	1,293	5,064
17	27	34,347	1	79	0	0	100	1,497	982	6,046
18	52	34,399	1	80	0	0	179	1,676	1,073	7,119
19	365	34,764	3	83	0	0	581	2,257	973	8,092
20	68	34,832	4	87	0	0	112	2,369	1,080	9,172
21	1,159	35,991	2	89	0	0	1,528	3,897	2,381	11,553
22	286	36,277	1	90	0	0	589	4,486	710	12,263
23	747	37,024	1	91	0	0	2,030	6,516	1,401	13,664
24	976	38,000	6	97	0	0	1,312	7,828	680	14,344
25	1,041	39,041	4	101	0	0	3,506	11,334	970	15,314
26	2,521	41,562	1	102	0	0	6,227	17,561	548	15,862
27	628	42,190	0	102	0	0	1,569	19,130	115	15,977
28	2,096	44,286	0	102	0	0	4,902	24,032	620	16,597
29	1,202	45,488	0	102	0	0	3,273	27,305	298	16,895
30	853	46,341	0	102	0	0	6,298	33,603	334	17,229
31	854	47,195	0	102	0	0	7,985	41,588	377	17,606
Aug 1	338	47,533	0	102	0	0	2,114	43,702	206	17,812
2	209	47,742	0	102	0	0	1,599	45,301	107	17,919
3	79	47,821	0	102	0	0	948	46,249	92	18,011
4	181	48,002	0	102	0	0	3,303	49,552	321	18,332
5	123	48,125	0	102	0	0	1,338	50,890	130	18,462
6	45	48,170	0	102	0	0	717	51,607	29	18,491
7	29	48,199	0	102	0	0	410	52,017	39	18,530
8	27	48,226	0	102	0	0	505	52,522	87	18,617
9	17	48,243	0	102	0	0	657	53,179	101	18,718
10	14	48,257	0	102	0	0	183	53,362	27	18,745
11	13	48,270	0	102	0	0	300	53,662	22	18,767
12	0	48,270	0	102	0	0	79	53,741	14	18,781
13	23	48,293	0	102	0	0	452	54,193	28	18,809
14	6	48,299	0	102	7	7	377	54,570	16	18,825
15	0	48,299	0	102	0	7	37	54,607	0	18,825
16	19	48,318	0	102	8	8	560	55,167	17	18,842
17	2	48,320	1	103	11	11	79	55,246	6	18,848
18	0	48,320	0	103	0	11	83	55,329	4	18,852
19	4	48,324	0	103	7	18	109	55,438	3	18,855
20	2	48,326	0	103	9	27	32	55,470	2	18,857
21	0	48,326	0	103	0	27	43	55,513	0	18,857
22	0	48,326	0	103	0	27	18	55,531	0	18,857

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Appendix I.3. (page 2 of 2)

Date	----SOCKEYE----		----CHINOOK----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
23	63	48,389	0	103	19	46	117	55,648	4	18,861
24	2	48,391	0	103	17	63	32	55,680	0	18,861
25	0	48,391	0	103	7	70	27	55,707	0	18,861
26	36	48,427	0	103	111	181	65	55,772	3	18,864
27	34	48,461	0	103	103	284	48	55,820	2	18,866
28	19	48,480	0	103	229	513	24	55,844	3	18,869
29	40	48,520	0	103	160	673	13	55,857	4	18,873
30	50	48,570	0	103	29	702	21	55,878	0	18,873
31	7	48,577	0	103	105	807	13	55,891	2	18,875
Sep 1	26	48,603	0	103	186	993	7	55,898	4	18,879
2	97	48,700	0	103	12	1,005	11	55,909	9	18,888
3	7	48,707	0	103	742	1,747	15	55,924	3	18,891
4	157	48,864	0	103	265	2,012	13	55,937	1	18,892
5	5	48,869	0	103	172	2,184	5	55,942	2	18,894
6	9	48,878	0	103	343	2,527	8	55,950	6	18,900
7	74	48,952	0	103	2,422	4,949	39	55,989	29	18,929
8	4	48,956	0	103	75	5,024	2	55,991	6	18,935
9	0	48,956	0	103	195	5,219	2	55,993	5	18,940
10	0	48,956	0	103	4	5,223	0	55,993	1	18,941
11	0	48,956	0	103	1,000	6,223	0	55,993	10,100	29,041
12	0	48,956	0	103	0	6,223	0	55,993	0	29,041
13	0	48,956	0	103	0	6,223	0	55,993	0	29,041
14	0	48,956	0	103	0	6,223	0	55,993	0	29,041
15	0	48,956	0	103	0	6,223	0	55,993	0	29,041
16	0	48,956	0	103	0	6,223	0	55,993	0	29,041
17	0	48,956	0	103	0	6,223	0	55,993	0	29,041
18	0	48,956	0	103	0	6,223	0	55,993	0	29,041
19	0	48,956	0	103	0	6,223	0	55,993	0	29,041
20	0	48,956	0	103	0	6,223	0	55,993	0	29,041
21	0	48,956	0	103	0	6,223	0	55,993	0	29,041
22	0	48,956	0	103	0	6,223	0	55,993	0	29,041
23	0	48,956	0	103	0	6,223	0	55,993	0	29,041
24	0	48,956	0	103	0	6,223	0	55,993	0	29,041
25	0	48,956	0	103	0	6,223	0	55,993	0	29,041
26	0	48,956	0	103	0	6,223	0	55,993	0	29,041
27	0	48,956	0	103	0	6,223	0	55,993	0	29,041
28	0	48,956	0	103	0	6,223	0	55,993	0	29,041
29	0	48,956	0	103	0	6,223	0	55,993	0	29,041
30	0	48,956	0	103	0	6,223	0	55,993	0	29,041

Appendix I.4. Frazer Lake daily and cumulative escapement counts for 1987.

Date	----SCKEYE----		----CHINOOK----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
Jun 19	1	1	0	0	0	0	0	0	0	0
20	0	1	0	0	0	0	0	0	0	0
21	7	8	0	0	0	0	0	0	0	0
22	0	8	0	0	0	0	0	0	0	0
23	0	8	0	0	0	0	0	0	0	0
24	1	9	0	0	0	0	0	0	0	0
25	1	10	0	0	0	0	0	0	0	0
26	4	14	0	0	0	0	0	0	0	0
27	7	21	0	0	0	0	0	0	0	0
28	8	29	0	0	0	0	0	0	0	0
29	12	41	0	0	0	0	0	0	0	0
30	3	44	0	0	0	0	0	0	0	0
Jul 1	14	58	1	1	0	0	0	0	0	0
2	121	179	1	2	0	0	0	0	0	0
3	1,236	1,415	10	12	0	0	0	0	0	0
4	2,030	3,445	2	14	0	0	0	0	0	0
5	1,394	4,839	0	14	0	0	0	0	0	0
6	968	5,807	1	15	0	0	0	0	0	0
7	648	6,455	2	17	0	0	0	0	0	0
8	1,611	8,066	6	23	0	0	0	0	0	0
9	1,361	9,427	3	26	0	0	0	0	0	0
10	1,312	10,739	1	27	0	0	0	0	0	0
11	1,616	12,355	4	31	0	0	0	0	0	0
12	2,830	15,185	5	36	0	0	0	0	0	0
13	4,898	20,083	4	40	0	0	0	0	0	0
14	1,124	21,207	1	41	0	0	0	0	0	0
15	1,131	22,338	7	48	0	0	0	0	0	0
16	1,436	23,774	2	50	0	0	0	0	0	0
17	259	24,033	0	50	0	0	0	0	0	0
18	295	24,328	0	50	0	0	0	0	0	0
19	679	25,007	0	50	0	0	0	0	2	2
20	242	25,249	0	50	0	0	0	0	0	2
21	543	25,792	9	59	0	0	0	0	1	3
22	1,540	27,332	0	59	0	0	0	0	1	4
23	1,390	28,722	6	65	0	0	0	0	0	4
24	2,006	30,728	5	70	0	0	0	0	0	4
25	4,008	34,736	9	79	0	0	1	1	0	4
26	1,570	36,306	5	84	0	0	1	2	0	4
27	1,349	37,655	3	87	0	0	1	3	0	4
28	845	38,500	3	90	0	0	1	4	0	4
29	449	38,949	1	91	0	0	1	5	0	4
30	559	39,508	2	93	0	0	1	6	0	4
31	192	39,700	0	93	0	0	15	21	0	4
Aug 1	162	39,862	1	94	0	0	7	28	0	4
2	317	40,179	0	94	0	0	33	61	0	4
3	94	40,273	0	94	0	0	3	64	0	4
4	10	40,283	0	94	0	0	2	66	0	4
5	27	40,310	0	94	0	0	4	70	0	4
6	51	40,361	0	94	0	0	28	98	0	4
7	56	40,417	0	94	0	0	26	124	0	4
8	26	40,443	0	94	0	0	21	145	0	4
9	18	40,461	0	94	0	0	16	161	0	4
10	9	40,470	0	94	0	0	19	180	1	5
11	11	40,481	0	94	0	0	7	187	0	5
12	24	40,505	0	94	0	0	19	206	0	5
13	18	40,523	0	94	0	0	32	238	0	5
14	11	40,534	0	94	0	0	21	259	0	5
15	7	40,541	0	94	0	0	16	275	0	5
16	3	40,544	0	94	0	0	10	285	0	5
17	0	40,544	0	94	0	0	0	285	0	5
18	0	40,544	0	94	0	0	0	285	0	5
19	0	40,544	0	94	0	0	0	285	0	5
20	0	40,544	0	94	0	0	0	285	0	5
21	0	40,544	0	94	0	0	0	285	0	5
22	0	40,544	0	94	0	0	0	285	0	5
23	0	40,544	0	94	0	0	0	285	0	5
24	0	40,544	0	94	0	0	0	285	0	5
25	0	40,544	0	94	0	0	0	285	0	5
26	0	40,544	0	94	0	0	0	285	0	5
27	0	40,544	0	94	0	0	0	285	0	5
28	0	40,544	0	94	0	0	0	285	0	5
29	0	40,544	0	94	0	0	0	285	0	5
30	0	40,544	0	94	0	0	0	285	0	5
31	0	40,544	0	94	0	0	0	285	0	5
Sep 1	0	40,544	0	94	0	0	0	285	0	5

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Appendix I.4. (page 2 of 2)

Date	----SOCKEYE----		----CHINOOK----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
2	0	40,544	0	94	0	0	0	285	0	5
3	0	40,544	0	94	0	0	0	285	0	5
4	0	40,544	0	94	0	0	0	285	0	5
5	0	40,544	0	94	0	0	0	285	0	5
6	0	40,544	0	94	0	0	0	285	0	5
7	0	40,544	0	94	0	0	0	285	0	5
8	0	40,544	0	94	0	0	0	285	0	5
9	0	40,544	0	94	0	0	0	285	0	5
10	0	40,544	0	94	0	0	0	285	0	5
11	0	40,544	0	94	0	0	0	285	0	5
12	0	40,544	0	94	0	0	0	285	0	5
13	0	40,544	0	94	0	0	0	285	0	5
14	0	40,544	0	94	0	0	0	285	0	5
15	0	40,544	0	94	0	0	0	285	0	5
16	0	40,544	0	94	0	0	0	285	0	5
17	0	40,544	0	94	0	0	0	285	0	5
18	0	40,544	0	94	0	0	0	285	0	5
19	0	40,544	0	94	0	0	0	285	0	5
20	0	40,544	0	94	0	0	0	285	0	5
21	0	40,544	0	94	0	0	0	285	0	5
22	0	40,544	0	94	0	0	0	285	0	5
23	0	40,544	0	94	0	0	0	285	0	5
24	0	40,544	0	94	0	0	0	285	0	5
25	0	40,544	0	94	0	0	0	285	0	5
26	0	40,544	0	94	0	0	0	285	0	5
27	0	40,544	0	94	0	0	0	285	0	5
28	0	40,544	0	94	0	0	0	285	0	5
29	0	40,544	0	94	0	0	0	285	0	5
30	0	40,544	0	94	0	0	0	285	0	5

Appendix I.5. Upper Station daily and cumulative escapement counts for 1987.

Date	----SCKEYE-----		----CHINOOK-----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
May 28	332	332	0	0	0	0	0	0	0	0
29	616	948	0	0	0	0	0	0	0	0
30	200	1,148	0	0	0	0	0	0	0	0
31	180	1,328	0	0	0	0	0	0	0	0
Jun 1	282	1,610	0	0	0	0	0	0	0	0
2	342	1,952	0	0	0	0	0	0	0	0
3	117	2,069	0	0	0	0	0	0	0	0
4	569	2,638	0	0	0	0	0	0	0	0
5	287	2,925	0	0	0	0	0	0	0	0
6	31	2,956	0	0	0	0	0	0	0	0
7	2,102	5,058	0	0	0	0	0	0	0	0
8	1,288	6,346	0	0	0	0	0	0	0	0
9	4,135	10,481	0	0	0	0	0	0	0	0
10	3,752	14,233	0	0	0	0	0	0	0	0
11	2,981	17,214	0	0	0	0	0	0	0	0
12	779	17,993	0	0	0	0	0	0	0	0
13	1,978	19,971	0	0	0	0	0	0	0	0
14	5,935	25,906	1	1	0	0	0	0	0	0
15	2,462	28,368	0	1	0	0	0	0	0	0
16	5,822	34,190	0	1	0	0	0	0	0	0
17	759	34,949	0	1	0	0	0	0	0	0
18	715	35,664	0	1	0	0	0	0	0	0
19	1,701	37,365	0	1	0	0	0	0	0	0
20	1,805	39,170	0	1	0	0	0	0	0	0
21	5,654	44,824	0	1	0	0	0	0	0	0
22	4,736	49,560	0	1	0	0	0	0	0	0
23	4,789	54,349	0	1	0	0	0	0	0	0
24	1,464	55,813	0	1	0	0	0	0	0	0
25	920	56,733	0	1	0	0	0	0	0	0
26	898	57,631	0	1	0	0	0	0	0	0
27	139	57,770	0	1	0	0	0	0	0	0
28	89	57,859	0	1	0	0	0	0	0	0
29	750	58,609	0	1	0	0	0	0	0	0
30	2,092	60,701	0	1	0	0	0	0	0	0
Jul 1	305	61,006	0	1	0	0	0	0	0	0
2	764	61,770	0	1	0	0	0	0	0	0
3	259	62,029	0	1	0	0	0	0	0	0
4	237	62,266	0	1	0	0	0	0	0	0
5	140	62,406	0	1	0	0	0	0	0	0
6	116	62,522	0	1	0	0	0	0	0	0
7	143	62,665	0	1	0	0	0	0	0	0
8	169	62,834	0	1	0	0	0	0	0	0
9	1,883	64,717	0	1	0	0	1	1	0	0
10	1,937	66,654	0	1	0	0	0	1	0	0
11	1,855	68,509	0	1	0	0	1	2	0	0
12	673	69,182	0	1	0	0	0	2	0	0
13	2,959	72,141	0	1	0	0	0	2	0	0
14	682	72,823	0	1	0	0	0	2	0	0
15	811	73,634	0	1	0	0	0	2	0	0
16	372	74,006	0	1	0	0	0	2	0	0
17	289	74,295	0	1	0	0	0	2	0	0
18	126	74,421	0	1	0	0	4	6	0	0
19	326	74,747	0	1	0	0	0	6	0	0
20	618	75,365	0	1	0	0	4	10	0	0
21	556	75,921	0	1	0	0	0	10	1	1
22	1,136	77,057	0	1	0	0	0	10	0	1
23	1,073	78,130	0	1	0	0	3	13	0	1
24	542	78,672	0	1	0	0	0	13	0	1
25	2,158	80,830	0	1	0	0	4	17	0	1
26	6,614	87,444	0	1	0	0	23	40	0	1
27	7,855	95,299	0	1	0	0	6	46	0	1
28	9,112	104,411	0	1	0	0	5	51	0	1
29	8,555	112,966	0	1	0	0	8	59	0	1
30	5,666	118,632	0	1	0	0	2	61	0	1
31	4,309	122,941	0	1	0	0	8	69	0	1
Aug 1	1,170	124,111	0	1	0	0	2	71	0	1
2	1,415	125,526	0	1	0	0	1	72	0	1
3	1,832	127,358	0	1	0	0	2	74	0	1
4	4,010	131,368	0	1	0	0	8	82	0	1
5	1,266	132,634	0	1	0	0	1	83	0	1
6	348	132,982	0	1	0	0	1	84	0	1
7	2,767	135,749	0	1	0	0	8	92	0	1
8	2,892	138,641	0	1	0	0	4	96	0	1
9	4,117	142,758	0	1	0	0	6	102	0	1
10	7,492	150,250	0	1	0	0	10	112	0	1

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Appendix I.5. (page 2 of 2)

Date	-----SOCKEYE-----		-----CHINOOK-----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
11	4,135	154,385	0	1	1	1	6	118	0	1
12	2,693	157,078	0	1	0	1	3	121	0	1
13	2,448	159,526	0	1	1	2	9	130	0	1
14	1,482	161,008	0	1	1	3	1	131	0	1
15	1,310	162,318	0	1	0	3	5	136	0	1
16	512	162,830	0	1	1	4	5	141	0	1
17	549	163,379	0	1	1	5	3	144	0	1
18	303	163,682	0	1	4	9	2	146	0	1
19	5,853	169,535	0	1	5	15	3	149	0	1
20	3,201	172,736	0	1	5	20	5	154	0	1
21	2,456	175,192	0	1	4	24	3	157	0	1
22	1,678	176,870	0	1	6	30	7	164	0	1
23	751	177,621	0	1	0	30	6	170	0	1
24	1,251	178,872	0	1	9	39	10	180	0	1
25	1,389	180,261	0	1	11	50	3	183	0	1
26	815	181,076	0	1	15	65	7	190	0	1
27	892	181,968	0	1	9	74	9	199	0	1
28	1,022	182,990	0	1	7	81	6	205	0	1
29	1,288	184,278	0	1	17	98	7	212	0	1
30	1,288	185,566	0	1	17	115	10	222	1	2
31	3,341	188,907	0	1	66	181	20	242	0	2
Sep 1	3,266	192,173	0	1	43	224	19	261	0	2
2	3,509	195,682	0	1	84	308	22	283	0	2
3	3,333	199,015	0	1	121	429	29	312	0	2
4	8,059	207,074	0	1	667	1,096	138	450	0	2
5	7,934	215,008	0	1	220	1,316	28	478	0	2
6	2,962	217,970	0	1	116	1,432	18	496	0	2
7	2,876	220,846	0	1	322	1,754	16	512	0	2
8	4,923	225,769	0	1	305	2,059	27	539	0	2
9	1,907	227,676	0	1	174	2,233	34	573	0	2
10	1,073	228,749	0	1	106	2,339	14	587	0	2
11	1,595	230,344	0	1	159	2,498	7	594	0	2
12	539	230,883	0	1	7	2,505	4	598	0	2
13	69	230,952	0	1	0	2,505	3	601	0	2
14	310	231,262	0	1	1	2,506	1	602	0	2
15	400	231,662	0	1	4	2,510	7	609	0	2
16	33	231,695	0	1	0	2,510	1	610	0	2
17	500	232,195	0	1	50	2,560	400	1,010	0	2
18	0	232,195	0	1	0	2,560	0	1,010	0	2
19	0	232,195	0	1	0	2,560	0	1,010	0	2
20	0	232,195	0	1	0	2,560	0	1,010	0	2
21	0	232,195	0	1	0	2,560	0	1,010	0	2
22	0	232,195	0	1	0	2,560	0	1,010	0	2
23	0	232,195	0	1	0	2,560	0	1,010	0	2
24	0	232,195	0	1	0	2,560	0	1,010	0	2
25	0	232,195	0	1	0	2,560	0	1,010	0	2
26	0	232,195	0	1	0	2,560	0	1,010	0	2
27	0	232,195	0	1	0	2,560	0	1,010	0	2
28	0	232,195	0	1	0	2,560	0	1,010	0	2
29	0	232,195	0	1	0	2,560	0	1,010	0	2
30	0	232,195	0	1	0	2,560	0	1,010	0	2

Appendix I.6. Akalura daily and cumulative escapement counts for 1987.

Date	----SOCKEYE-----		----CHINOOK-----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
May 29	9	9	0	0	0	0	0	0	0	0
30	132	141	0	0	0	0	0	0	0	0
31	3	144	0	0	0	0	0	0	0	0
Jun 1	3	147	0	0	0	0	0	0	0	0
2	24	171	0	0	0	0	0	0	0	0
3	178	349	0	0	0	0	0	0	0	0
4	3	352	0	0	0	0	0	0	0	0
5	42	394	0	0	0	0	0	0	0	0
6	550	944	0	0	0	0	0	0	0	0
7	0	944	0	0	0	0	0	0	0	0
8	3	947	0	0	0	0	0	0	0	0
9	343	1,290	0	0	0	0	0	0	0	0
10	81	1,371	0	0	0	0	0	0	0	0
11	77	1,448	0	0	0	0	0	0	0	0
12	61	1,509	0	0	0	0	0	0	0	0
13	35	1,544	0	0	0	0	0	0	0	0
14	36	1,580	0	0	0	0	0	0	0	0
15	1	1,581	0	0	0	0	0	0	0	0
16	492	2,073	0	0	0	0	0	0	0	0
17	0	2,073	0	0	0	0	0	0	0	0
18	8	2,081	0	0	0	0	0	0	0	0
19	199	2,280	0	0	0	0	0	0	0	0
20	56	2,336	0	0	0	0	0	0	0	0
21	59	2,395	0	0	0	0	0	0	0	0
22	32	2,427	0	0	0	0	0	0	0	0
23	110	2,537	0	0	0	0	0	0	0	0
24	20	2,557	0	0	0	0	0	0	0	0
25	5	2,562	0	0	0	0	0	0	0	0
26	40	2,602	0	0	0	0	0	0	0	0
27	0	2,602	0	0	0	0	0	0	0	0
28	31	2,633	0	0	0	0	0	0	0	0
29	0	2,633	0	0	0	0	0	0	0	0
30	31	2,664	0	0	0	0	0	0	0	0
Jul 1	0	2,664	0	0	0	0	0	0	0	0
2	3	2,667	0	0	0	0	0	0	0	0
3	28	2,695	0	0	0	0	0	0	0	0
4	24	2,719	0	0	0	0	0	0	0	0
5	27	2,746	0	0	0	0	0	0	0	0
6	0	2,746	0	0	0	0	0	0	0	0
7	2	2,748	0	0	0	0	0	0	0	0
8	0	2,748	0	0	0	0	0	0	0	0
9	4	2,752	0	0	0	0	0	0	0	0
10	17	2,769	0	0	0	0	0	0	0	0
11	0	2,769	0	0	0	0	0	0	0	0
12	22	2,791	0	0	0	0	0	0	0	0
13	6	2,797	0	0	0	0	0	0	0	0
14	7	2,804	0	0	0	0	0	0	0	0
15	0	2,804	0	0	0	0	0	0	0	0
16	2	2,806	0	0	0	0	0	0	0	0
17	36	2,842	0	0	0	0	0	0	0	0
18	3	2,845	0	0	0	0	0	0	0	0
19	5	2,850	0	0	0	0	0	0	0	0
20	1	2,851	0	0	0	0	0	0	0	0
21	0	2,851	0	0	0	0	2	2	0	0
22	0	2,851	0	0	0	0	2	4	0	0
23	3	2,854	0	0	0	0	0	4	0	0
24	0	2,854	0	0	0	0	3	7	0	0
25	0	2,854	0	0	0	0	2	9	0	0
26	0	2,854	0	0	0	0	3	12	0	0
27	0	2,854	0	0	0	0	0	12	0	0
28	2	2,856	0	0	0	0	7	19	0	0
29	37	2,893	0	0	0	0	43	62	0	0
30	1,045	3,938	0	0	0	0	47	109	0	0
31	0	3,938	0	0	0	0	0	109	0	0
Aug 1	0	3,938	0	0	0	0	0	109	0	0
2	0	3,938	0	0	0	0	2	111	0	0
3	1	3,939	0	0	0	0	5	116	0	0
4	81	4,020	0	0	0	0	318	434	0	0
5	57	4,077	0	0	0	0	62	496	0	0
6	8	4,085	0	0	0	0	75	571	0	0
7	2	4,087	0	0	0	0	30	601	0	0
8	2	4,089	0	0	0	0	24	625	0	0
9	3	4,092	0	0	0	0	12	637	0	0
10	0	4,092	0	0	0	0	5	642	0	0
11	5	4,097	0	0	0	0	13	655	0	0

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Appendix I.6. (page 2 of 2)

Date	----SCKEYE----		----CHINOOK----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
12	1	4,098	0	0	0	0	7	662	0	0
13	0	4,098	0	0	0	0	15	677	0	0
14	0	4,098	0	0	0	0	20	697	0	0
15	1	4,099	0	0	0	0	6	703	0	0
16	0	4,099	0	0	0	0	4	707	0	0
17	1	4,100	0	0	0	0	25	732	0	0
18	4	4,104	0	0	1	1	14	746	0	0
19	1	4,105	0	0	0	0	15	761	0	0
20	2	4,107	0	0	0	1	25	786	0	0
21	8	4,115	0	0	1	2	11	797	0	0
22	58	4,173	0	0	1	3	36	833	0	0
23	28	4,201	0	0	0	3	27	860	0	0
24	38	4,239	0	0	2	5	35	895	0	0
25	23	4,262	0	0	3	8	43	938	0	0
26	5	4,267	0	0	6	14	20	958	0	0
27	10	4,277	0	0	4	18	157	1,115	0	0
28	22	4,299	0	0	7	25	208	1,323	0	0
29	47	4,346	0	0	21	46	624	1,947	0	0
30	366	4,712	0	0	61	107	1,213	3,160	0	0
31	152	4,864	0	0	68	175	550	3,710	0	0
Sep 1	0	4,864	0	0	0	175	0	3,710	0	0
2	56	4,920	0	0	136	311	1,469	5,179	0	0
3	323	5,243	0	0	100	411	5,133	10,312	0	0
4	46	5,289	0	0	26	437	696	11,008	0	0
5	20	5,309	0	0	7	444	380	11,388	0	0
6	16	5,325	0	0	10	454	392	11,780	0	0
7	338	5,663	0	0	311	765	2,629	14,409	0	0
8	11	5,674	0	0	1	766	47	14,456	0	0
9	21	5,695	0	0	66	832	352	14,808	1	1
10	4	5,699	0	0	14	846	388	15,196	0	1
11	0	5,699	0	0	1	847	16	15,212	0	1
12	3	5,702	0	0	5	852	602	15,814	0	1
13	8	5,710	0	0	1	853	250	16,064	0	1
14	0	5,710	0	0	35	888	893	16,957	1	2
15	24	5,734	0	0	56	944	1,084	18,041	3	5
16	29	5,763	0	0	10	954	285	18,326	0	5
17	9	5,772	0	0	10	964	253	18,579	0	5
18	15	5,787	0	0	9	973	42	18,621	0	5
19	14	5,801	0	0	7	980	119	18,740	0	5
20	15	5,816	0	0	0	980	51	18,791	0	5
21	300	6,116	0	0	500	1,480	4,000	22,791	0	5
22	0	6,116	0	0	0	1,480	0	22,791	0	5
23	0	6,116	0	0	0	1,480	0	22,791	0	5
24	0	6,116	0	0	0	1,480	0	22,791	0	5
25	0	6,116	0	0	0	1,480	0	22,791	0	5
26	0	6,116	0	0	0	1,480	0	22,791	0	5
27	0	6,116	0	0	0	1,480	0	22,791	0	5
28	0	6,116	0	0	0	1,480	0	22,791	0	5
29	0	6,116	0	0	0	1,480	0	22,791	0	5
30	0	6,116	0	0	0	1,480	0	22,791	0	5

Appendix I.7. Saltery daily and cumulative escapement counts for 1987.

Date	----SOCKEYE----		----CHINOOK----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
Jun 17	100	100	0	0	0	0	0	0	0	0
18	100	200	0	0	0	0	0	0	0	0
19	12	212	0	0	0	0	0	0	0	0
20	26	238	0	0	0	0	0	0	0	0
21	19	257	0	0	0	0	0	0	0	0
22	30	287	0	0	0	0	0	0	0	0
23	270	557	0	0	0	0	0	0	0	0
24	270	827	0	0	0	0	0	0	0	0
25	270	1,097	0	0	0	0	0	0	0	0
26	270	1,367	0	0	0	0	0	0	0	0
27	270	1,637	0	0	0	0	0	0	0	0
28	270	1,907	0	0	0	0	0	0	0	0
29	270	2,177	0	0	0	0	0	0	0	0
30	270	2,447	0	0	0	0	0	0	0	0
Jul 1	270	2,717	0	0	0	0	0	0	0	0
2	270	2,987	0	0	0	0	0	0	0	0
3	270	3,257	0	0	0	0	0	0	0	0
4	270	3,527	0	0	0	0	0	0	0	0
5	270	3,797	0	0	0	0	0	0	0	0
6	270	4,067	0	0	0	0	0	0	0	0
7	270	4,337	0	0	0	0	0	0	0	0
8	237	4,574	0	0	0	0	0	0	0	0
9	807	5,381	0	0	0	0	0	0	0	0
10	575	5,956	0	0	0	0	0	0	0	0
11	562	6,518	0	0	0	0	0	0	0	0
12	856	7,374	0	0	0	0	12	12	0	0
13	556	7,930	0	0	0	0	40	52	0	0
14	372	8,302	0	0	0	0	15	67	0	0
15	406	8,708	1	1	0	0	4	71	0	0
16	385	9,093	0	1	0	0	10	81	0	0
17	538	9,631	0	1	0	0	8	89	0	0
18	562	10,193	0	1	0	0	36	125	0	0
19	850	11,043	1	2	0	0	106	231	0	0
20	646	11,689	0	2	0	0	62	293	0	0
21	706	12,395	0	2	0	0	177	470	0	0
22	562	12,957	1	3	0	0	85	555	0	0
23	607	13,564	0	3	0	0	282	837	0	0
24	782	14,346	0	3	0	0	432	1,269	1	1
25	527	14,873	0	3	0	0	276	1,545	2	3
26	531	15,404	0	3	0	0	241	1,786	1	4
27	661	16,065	0	3	0	0	943	2,729	0	4
28	521	16,586	0	3	0	0	828	3,557	0	4
29	229	16,815	0	3	0	0	1,212	4,769	0	4
30	339	17,154	0	3	0	0	1,015	5,784	1	5
31	441	17,595	0	3	0	0	2,152	7,936	4	9
Aug 1	845	18,440	0	3	0	0	3,127	11,063	2	11
2	406	18,846	0	3	0	0	1,818	12,881	0	11
3	404	19,250	0	3	0	0	2,218	15,099	0	11
4	332	19,582	0	3	0	0	1,473	16,572	0	11
5	480	20,062	0	3	0	0	2,414	18,986	2	13
6	206	20,268	0	3	0	0	1,702	20,688	2	15
7	292	20,560	0	3	0	0	2,612	23,300	2	17
8	343	20,903	0	3	0	0	2,312	25,612	1	18
9	180	21,083	0	3	0	0	1,431	27,043	0	18
10	183	21,266	0	3	0	0	1,143	28,186	1	19
11	168	21,434	1	4	1	1	1,081	29,267	1	20
12	125	21,559	0	4	0	1	825	30,092	0	20
13	79	21,638	0	4	0	1	707	30,799	1	21
14	42	21,680	0	4	0	1	628	31,427	0	21
15	95	21,775	0	4	1	2	624	32,051	2	23
16	87	21,862	0	4	2	4	538	32,589	0	23
17	69	21,931	0	4	0	4	657	33,246	0	23
18	97	22,028	0	4	0	4	436	33,682	0	23
19	91	22,119	0	4	4	8	782	34,464	3	26
20	96	22,215	0	4	6	14	97	34,561	0	26
21	46	22,261	0	4	13	27	98	34,659	0	26
22	28	22,289	0	4	4	31	272	34,931	0	26
23	109	22,398	0	4	18	49	479	35,410	2	28
24	86	22,484	1	5	59	108	753	36,163	7	35
25	35	22,519	0	5	59	167	305	36,468	7	42
26	12	22,531	0	5	37	204	88	36,556	1	43
27	8	22,539	0	5	18	222	89	36,645	0	43
28	6	22,545	1	6	15	237	91	36,736	3	46
29	5	22,550	0	6	29	266	91	36,827	2	48
30	12	22,562	0	6	48	314	126	36,953	0	48

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Appendix I.7. (page 2 of 2)

Date	----SOCKEYE----		----CHINOOK----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
Sep 31	4	22,566	0	6	31	345	115	37,068	5	53
1	13	22,579	0	6	54	399	101	37,169	2	55
2	7	22,586	0	6	63	462	165	37,334	1	56
3	5	22,591	0	6	129	591	134	37,468	3	59
4	5	22,596	0	6	118	709	167	37,635	3	62
5	2	22,598	0	6	37	746	99	37,734	0	62
6	2	22,600	0	6	39	785	278	38,012	6	68
7	3	22,603	0	6	224	1,009	228	38,240	0	68
8	4	22,607	0	6	61	1,070	78	38,318	3	71
9	5	22,612	0	6	222	1,292	241	38,559	10	81
10	9	22,621	0	6	92	1,384	50	38,609	2	83
11	3	22,624	0	6	68	1,452	67	38,676	4	87
12	4	22,628	0	6	39	1,491	54	38,730	2	89
13	4	22,632	0	6	39	1,530	54	38,784	2	91
14	1	22,633	0	6	53	1,583	41	38,825	0	91
15	2	22,635	0	6	60	1,643	103	38,928	0	91
16	2	22,637	0	6	512	2,155	75	39,003	2	93
17	1	22,638	0	6	30	2,185	31	39,034	0	93
18	1	22,639	0	6	282	2,467	56	39,090	1	94
19	0	22,639	0	6	34	2,501	21	39,111	1	95
20	0	22,639	0	6	956	3,457	66	39,177	1	96
21	2	22,641	0	6	139	3,596	25	39,202	0	96
22	8	22,649	0	6	1,752	5,348	257	39,459	5	101
23	13	22,662	0	6	1,770	7,118	49	39,508	2	103
24	32	22,694	0	6	2,923	10,041	164	39,672	6	109
25	4	22,698	0	6	119	10,160	3	39,675	1	110
26	4	22,702	0	6	452	10,612	12	39,687	2	112
27	1	22,703	0	6	144	10,756	0	39,687	2	114
28	0	22,703	0	6	100	10,856	0	39,687	1	115
29	0	22,703	0	6	150	11,006	0	39,687	2	117
30	1	22,704	0	6	220	11,226	0	39,687	2	119
Oct 1	1	22,705	0	6	150	11,376	0	39,687	2	121

Appendix I.8. Litnik daily and cumulative escapement counts for 1987.

Date	-----SOCKEY-----		-----CHINOOK-----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
May 16	6	6	0	0	0	0	0	0	0	0
17	1	7	0	0	0	0	0	0	0	0
18	35	42	0	0	0	0	0	0	0	0
19	0	42	0	0	0	0	0	0	0	0
20	13	55	0	0	0	0	0	0	0	0
21	0	55	0	0	0	0	0	0	0	0
22	29	84	0	0	0	0	0	0	0	0
23	53	137	0	0	0	0	0	0	0	0
24	156	293	0	0	0	0	0	0	0	0
25	107	400	0	0	0	0	0	0	0	0
26	113	513	0	0	0	0	0	0	0	0
27	10	523	0	0	0	0	0	0	0	0
28	52	575	0	0	0	0	0	0	0	0
29	226	801	0	0	0	0	0	0	0	0
30	2,058	2,859	0	0	0	0	0	0	0	0
31	319	3,178	0	0	0	0	0	0	0	0
Jun 1	303	3,481	0	0	0	0	0	0	0	0
2	307	3,788	0	0	0	0	0	0	0	0
3	672	4,460	0	0	0	0	0	0	0	0
4	962	5,422	0	0	0	0	0	0	0	0
5	464	5,886	0	0	0	0	0	0	0	0
6	337	6,223	0	0	0	0	0	0	0	0
7	1,327	7,550	0	0	0	0	0	0	0	0
8	1,511	9,061	0	0	0	0	0	0	0	0
9	361	9,422	0	0	0	0	0	0	0	0
10	800	10,222	0	0	0	0	0	0	0	0
11	1,054	11,276	0	0	0	0	0	0	0	0
12	725	12,001	0	0	0	0	0	0	0	0
13	89	12,090	0	0	0	0	0	0	0	0
14	95	12,185	0	0	0	0	0	0	0	0
15	20	12,205	0	0	0	0	0	0	0	0
16	2	12,207	0	0	0	0	0	0	0	0
17	376	12,583	0	0	0	0	0	0	0	0
18	1,221	13,804	0	0	0	0	0	0	0	0
19	480	14,284	0	0	0	0	0	0	0	0
20	441	14,725	0	0	0	0	0	0	0	0
21	100	14,825	0	0	0	0	0	0	0	0
22	128	14,953	0	0	0	0	0	0	0	0
23	705	15,658	0	0	0	0	0	0	0	0
24	343	16,001	0	0	0	0	0	0	0	0
25	344	16,345	0	0	0	0	0	0	0	0
26	344	16,689	0	0	0	0	0	0	0	0
27	202	16,891	0	0	0	0	0	0	0	0
28	203	17,094	0	0	0	0	0	0	0	0
29	202	17,296	0	0	0	0	0	0	0	0
30	203	17,499	0	0	0	0	0	0	0	0
Jul 1	202	17,701	0	0	0	0	0	0	0	0
2	203	17,904	0	0	0	0	0	0	0	0
3	202	18,106	0	0	0	0	0	0	0	0
4	62	18,168	0	0	0	0	0	0	0	0
5	62	18,230	0	0	0	0	0	0	0	0
6	62	18,292	0	0	0	0	0	0	0	0
7	0	18,292	0	0	0	0	0	0	0	0
8	127	18,419	0	0	0	0	0	0	0	0
9	8	18,427	0	0	0	0	0	0	0	0
10	112	18,539	0	0	0	0	0	0	0	0
11	7	18,546	0	0	0	0	2	2	0	0
12	658	19,204	0	0	0	0	4	6	0	0
13	749	19,953	0	0	0	0	5	11	0	0
14	239	20,192	0	0	0	0	1	12	0	0
15	404	20,596	0	0	0	0	8	20	0	0
16	718	21,314	0	0	0	0	17	37	0	0
17	253	21,567	0	0	0	0	3	40	0	0
18	462	22,029	0	0	0	0	10	50	0	0
19	400	22,429	0	0	0	0	11	61	0	0
20	229	22,658	0	0	0	0	2	63	0	0
21	479	23,137	0	0	0	0	7	70	0	0
22	215	23,352	0	0	0	0	5	75	1	1
23	54	23,406	0	0	0	0	1	76	0	1
24	157	23,563	0	0	0	0	1	77	0	1
25	53	23,616	0	0	0	0	0	77	0	1
26	12	23,628	0	0	0	0	0	77	0	1
27	50	23,678	0	0	0	0	0	77	0	1
28	119	23,797	0	0	0	0	9	86	0	1
29	18	23,815	0	0	0	0	9	95	0	1

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Appendix I.8. (page 2 of 2)

Date	-----SOCKEYE-----		-----CHINOOK-----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
30	124	23,939	0	0	0	0	13	108	0	1
31	37	23,976	0	0	0	0	4	112	0	1
Aug 1	49	24,025	0	0	0	0	10	122	0	1
2	3	24,028	0	0	0	0	0	122	0	1
3	59	24,087	0	0	0	0	11	133	0	1
4	66	24,153	0	0	0	0	18	151	0	1
5	179	24,332	0	0	0	0	12	163	0	1
6	26	24,358	0	0	0	0	7	170	0	1
7	28	24,386	0	0	0	0	13	183	0	1
8	3	24,389	0	0	0	0	6	189	0	1
9	394	24,783	0	0	3	3	127	316	0	1
10	164	24,947	0	0	3	6	38	354	0	1
11	713	25,660	0	0	61	67	348	702	1	2
12	124	25,784	0	0	14	81	36	738	0	2
13	9	25,793	0	0	6	87	3	741	0	2
14	13	25,806	0	0	11	98	7	748	0	2
15	7	25,813	0	0	1	99	1	749	0	2
16	5	25,818	0	0	2	101	10	759	0	2
17	28	25,846	0	0	4	105	39	798	0	2
18	3	25,849	0	0	0	105	12	810	0	2
19	8	25,857	0	0	3	108	86	896	0	2
20	13	25,870	0	0	1	109	58	954	1	3
21	2	25,872	0	0	0	109	60	1,014	0	3
22	4	25,876	0	0	2	111	61	1,075	0	3
23	13	25,889	0	0	59	170	298	1,373	0	3
24	30	25,919	0	0	311	481	463	1,836	0	3
25	1	25,920	0	0	3	484	47	1,883	0	3
26	0	25,920	0	0	0	484	17	1,900	0	3
27	0	25,920	0	0	0	484	13	1,913	0	3
28	0	25,920	0	0	1	485	47	1,960	0	3
29	0	25,920	0	0	2	487	178	2,138	0	3
30	1	25,921	0	0	0	487	207	2,345	1	4
31	0	25,921	0	0	1	488	612	2,957	0	4
Sep 1	0	25,921	0	0	1	489	663	3,620	0	4
2	11	25,932	0	0	1	490	531	4,151	0	4
3	0	25,932	0	0	0	490	500	4,651	0	4
4	1	25,933	0	0	0	490	550	5,201	0	4
5	0	25,933	0	0	1	491	482	5,683	0	4
6	22	25,955	0	0	74	565	1,008	6,691	0	4
7	13	25,968	0	0	50	615	594	7,285	0	4
8	3	25,971	0	0	5	620	251	7,536	0	4
9	13	25,984	0	0	131	751	512	8,048	1	5
10	3	25,987	0	0	57	808	300	8,348	3	8
11	6	25,993	0	0	6	814	120	8,468	3	11
12	1	25,994	0	0	0	814	43	8,511	0	11
13	1	25,995	0	0	0	814	27	8,538	0	11
14	0	25,995	0	0	0	814	27	8,565	0	11
15	3	25,998	0	0	3	817	93	8,658	0	11
16	168	26,166	0	0	3,681	4,498	73	8,731	2	13
17	13	26,179	0	0	51	4,549	13	8,744	0	13
18	0	26,179	0	0	16	4,565	3	8,747	0	13
19	2	26,181	0	0	0	4,565	2	8,749	0	13
20	96	26,277	0	0	1,064	5,629	12	8,761	2	15
21	6	26,283	0	0	21	5,650	2	8,763	0	15
22	173	26,456	0	0	4,719	10,369	12	8,775	0	15
23	18	26,474	0	0	600	10,969	5	8,780	1	16
24	0	26,474	0	0	500	11,469	0	8,780	0	16
25	0	26,474	0	0	0	11,469	0	8,780	0	16
26	0	26,474	0	0	0	11,469	0	8,780	0	16
27	0	26,474	0	0	0	11,469	0	8,780	0	16
28	0	26,474	0	0	0	11,469	0	8,780	0	16
29	0	26,474	0	0	0	11,469	0	8,780	0	16
30	0	26,474	0	0	0	11,469	0	8,780	0	16

Appendix I.9. Pauls Bay daily and cumulative escapement counts for 1987.

Date	----SCKEY-----		----CHINOOK-----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
Jun	2	217	217	0	0	0	0	0	0	0
	3	4	221	0	0	0	0	0	0	0
	4	17	238	0	0	0	0	0	0	0
	5	46	284	0	0	0	0	0	0	0
	6	1,401	1,685	0	0	0	0	0	0	0
	7	568	2,253	0	0	0	0	0	0	0
	8	1,349	3,602	0	0	0	0	0	0	0
	9	159	3,761	0	0	0	0	0	0	0
	10	1,632	5,393	0	0	0	0	0	0	0
	11	304	5,697	0	0	0	0	0	0	0
	12	406	6,103	0	0	0	0	0	0	0
	13	377	6,480	0	0	0	0	0	0	0
	14	293	6,773	0	0	0	0	0	0	0
	15	1,195	7,968	0	0	0	0	0	0	0
	16	358	8,326	0	0	0	0	0	0	0
	17	1,101	9,427	0	0	0	0	0	0	0
	18	725	10,152	0	0	0	0	0	0	0
	19	340	10,492	0	0	0	0	0	0	0
	20	259	10,751	0	0	0	0	0	0	0
	21	65	10,816	0	0	0	0	0	0	0
	22	217	11,033	0	0	0	0	0	0	0
	23	215	11,248	0	0	0	0	0	0	0
	24	75	11,323	0	0	0	0	0	0	0
	25	50	11,373	0	0	0	0	0	0	0
	26	50	11,423	0	0	0	0	0	0	0
	27	72	11,495	0	0	0	0	0	0	0
	28	108	11,603	0	0	0	0	0	0	0
	29	41	11,644	0	0	0	0	0	0	0
	30	77	11,721	0	0	0	0	0	0	0
Jul	1	10	11,731	0	0	0	0	0	0	0
	2	52	11,783	0	0	0	0	0	0	0
	3	110	11,893	0	0	0	0	0	0	0
	4	15	11,908	0	0	0	0	0	0	0
	5	9	11,917	0	0	0	0	0	0	0
	6	9	11,926	0	0	0	0	0	0	0
	7	153	12,079	0	0	0	0	0	0	0
	8	65	12,144	0	0	0	0	0	0	0
	9	154	12,298	0	0	0	0	0	0	0
	10	50	12,348	0	0	0	0	0	0	0
	11	51	12,399	0	0	0	0	0	0	0
	12	12	12,411	0	0	0	0	0	0	0
	13	10	12,421	0	0	0	0	0	0	0
	14	11	12,432	1	1	0	0	0	0	0
	15	55	12,487	0	1	0	0	0	0	0
	16	58	12,545	0	1	0	0	0	0	0
	17	16	12,561	0	1	0	0	0	0	0
	18	33	12,594	0	1	0	0	0	0	0
	19	131	12,725	0	1	0	0	0	0	0
	20	12	12,737	0	1	0	0	0	0	0
	21	5	12,742	0	1	0	0	0	0	0
	22	7	12,749	0	1	0	0	0	0	0
	23	29	12,778	0	1	0	0	0	0	0
	24	22	12,800	0	1	0	0	0	0	0
	25	4	12,804	0	1	0	0	0	0	0
	26	1	12,805	0	1	0	0	0	0	0
	27	0	12,805	0	1	0	0	0	0	0
	28	0	12,805	0	1	0	0	0	0	0
	29	0	12,805	0	1	0	0	0	0	0
	30	17	12,822	0	1	0	0	0	0	0
	31	0	12,822	0	1	0	0	0	0	0
Aug	1	2	12,824	0	1	0	0	0	0	0
	2	1	12,825	0	1	0	0	0	0	0
	3	4	12,829	0	1	0	0	0	0	0
	4	0	12,829	0	1	0	0	0	0	0
	5	1	12,830	0	1	0	0	0	0	0
	6	1	12,831	0	1	0	0	0	0	0
	7	3	12,834	0	1	0	1	1	0	0
	8	0	12,834	0	1	0	0	1	0	0
	9	7	12,841	0	1	0	0	1	0	0
	10	0	12,841	0	1	0	0	1	0	0
	11	0	12,841	0	1	0	0	1	0	0
	12	27	12,868	0	1	15	0	1	0	0
	13	10	12,878	0	1	11	0	1	0	0
	14	7	12,885	0	1	8	1	2	0	0
	15	1	12,886	0	1	8	0	2	0	0

-Continued-

Appendix I.9. (page 2 of 2)

Date	----SCKEYE-----		----CHINOOK-----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
16	10	12,896	0	1	4	46	0	2	0	0
17	15	12,911	0	1	2	48	0	2	0	0
18	0	12,911	0	1	12	60	0	2	0	0
19	2	12,913	0	1	4	64	1	3	0	0
20	2	12,915	0	1	4	68	1	4	0	0
21	1	12,916	0	1	30	98	0	4	0	0
22	2	12,918	0	1	4	102	1	5	0	0
23	51	12,969	0	1	444	546	6	11	0	0
24	93	13,062	0	1	1,240	1,786	12	23	0	0
25	0	13,062	0	1	2	1,788	0	23	0	0
26	0	13,062	0	1	0	1,788	3	26	0	0
27	0	13,062	0	1	0	1,788	1	27	0	0
28	0	13,062	0	1	11	1,799	0	27	0	0
29	0	13,062	0	1	319	2,118	21	48	0	0
30	0	13,062	0	1	11	2,129	0	48	0	0
31	0	13,062	0	1	21	2,150	0	48	0	0
Sep 1	5	13,067	-1	0	283	2,433	11	59	0	0
2	2	13,069	0	0	256	2,689	26	85	0	0
3	0	13,069	0	0	37	2,726	24	109	0	0
4	0	13,069	0	0	26	2,752	3	112	0	0
5	0	13,069	0	0	55	2,807	9	121	0	0
6	4	13,073	0	0	233	3,040	11	132	0	0
7	2	13,075	0	0	12	3,052	2	134	0	0
8	2	13,077	0	0	82	3,134	5	139	0	0
9	38	13,115	0	0	960	4,094	8	147	0	0
10	4	13,119	0	0	423	4,517	5	152	0	0
11	3	13,122	0	0	250	4,767	50	202	0	0
12	0	13,122	0	0	0	4,767	0	202	0	0
13	0	13,122	0	0	0	4,767	0	202	0	0
14	0	13,122	0	0	0	4,767	0	202	0	0
15	0	13,122	0	0	0	4,767	0	202	0	0
16	0	13,122	0	0	0	4,767	0	202	0	0
17	0	13,122	0	0	0	4,767	0	202	0	0
18	0	13,122	0	0	0	4,767	0	202	0	0
19	0	13,122	0	0	0	4,767	0	202	0	0
20	0	13,122	0	0	0	4,767	0	202	0	0
21	0	13,122	0	0	0	4,767	0	202	0	0
22	0	13,122	0	0	0	4,767	0	202	0	0
23	0	13,122	0	0	0	4,767	0	202	0	0
24	0	13,122	0	0	0	4,767	0	202	0	0
25	0	13,122	0	0	0	4,767	0	202	0	0
26	0	13,122	0	0	0	4,767	0	202	0	0
27	0	13,122	0	0	0	4,767	0	202	0	0
28	0	13,122	0	0	0	4,767	0	202	0	0
29	0	13,122	0	0	0	4,767	0	202	0	0
30	0	13,122	0	0	0	4,767	0	202	0	0

Appendix I.10.

Thorsheim daily and cumulative escapement counts for 1987.

Date	-----SOCKEYE-----		-----CHINOOK-----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
May 31	2	2	0	0	0	0	0	0	0	0
Jun 1	119	121	0	0	0	0	0	0	0	0
2	8	129	0	0	0	0	0	0	0	0
3	508	637	0	0	0	0	0	0	0	0
4	35	672	0	0	0	0	0	0	0	0
5	3	675	0	0	0	0	0	0	0	0
6	21	696	0	0	0	0	0	0	0	0
7	20	716	0	0	0	0	0	0	0	0
8	10	726	0	0	0	0	0	0	0	0
9	209	935	0	0	0	0	0	0	0	0
10	60	995	0	0	0	0	0	0	0	0
11	1,552	2,547	0	0	0	0	0	0	0	0
12	352	2,899	0	0	0	0	0	0	0	0
13	0	2,899	0	0	0	0	0	0	0	0
14	0	2,899	0	0	0	0	0	0	0	0
15	0	2,899	0	0	0	0	0	0	0	0
16	0	2,899	0	0	0	0	0	0	0	0
17	280	3,179	0	0	0	0	0	0	0	0
18	79	3,258	0	0	0	0	0	0	0	0
19	200	3,458	0	0	0	0	0	0	0	0
20	30	3,488	0	0	0	0	0	0	0	0
21	61	3,549	0	0	0	0	0	0	0	0
22	62	3,611	0	0	0	0	0	0	0	0
23	242	3,853	0	0	0	0	0	0	0	0
24	35	3,888	0	0	0	0	0	0	0	0
25	0	3,888	0	0	0	0	0	0	0	0
26	0	3,888	0	0	0	0	0	0	0	0
27	0	3,888	0	0	0	0	0	0	0	0
28	0	3,888	0	0	0	0	0	0	0	0
29	0	3,888	0	0	0	0	0	0	0	0
30	0	3,888	0	0	0	0	0	0	0	0
Jul 1	0	3,888	0	0	0	0	0	0	0	0
2	0	3,888	0	0	0	0	0	0	0	0
3	0	3,888	0	0	0	0	0	0	0	0
4	0	3,888	0	0	0	0	0	0	0	0
5	0	3,888	0	0	0	0	0	0	0	0
6	0	3,888	0	0	0	0	0	0	0	0
7	0	3,888	0	0	0	0	0	0	0	0
8	0	3,888	0	0	0	0	0	0	0	0
9	0	3,888	0	0	0	0	0	0	0	0
10	0	3,888	0	0	0	0	0	0	0	0
11	0	3,888	0	0	0	0	0	0	0	0
12	0	3,888	0	0	0	0	0	0	0	0
13	0	3,888	0	0	0	0	0	0	0	0
14	0	3,888	0	0	0	0	0	0	0	0
15	0	3,888	0	0	0	0	0	0	0	0
16	0	3,888	0	0	0	0	0	0	0	0
17	0	3,888	0	0	0	0	0	0	0	0
18	0	3,888	0	0	0	0	0	0	0	0
19	0	3,888	0	0	0	0	0	0	0	0
20	0	3,888	0	0	0	0	0	0	0	0
21	0	3,888	0	0	0	0	0	0	0	0
22	0	3,888	0	0	0	0	0	0	0	0
23	0	3,888	0	0	0	0	0	0	0	0
24	0	3,888	0	0	0	0	0	0	0	0
25	0	3,888	0	0	0	0	0	0	0	0
26	0	3,888	0	0	0	0	0	0	0	0
27	0	3,888	0	0	0	0	0	0	0	0
28	0	3,888	0	0	0	0	0	0	0	0
29	0	3,888	0	0	0	0	0	0	0	0
30	0	3,888	0	0	0	0	0	0	0	0
31	0	3,888	0	0	0	0	0	0	0	0
Aug 1	0	3,888	0	0	0	0	0	0	0	0
2	0	3,888	0	0	0	0	0	0	0	0
3	0	3,888	0	0	0	0	0	0	0	0
4	0	3,888	0	0	0	0	0	0	0	0
5	0	3,888	0	0	0	0	0	0	0	0
6	0	3,888	0	0	0	0	0	0	0	0
7	0	3,888	0	0	0	0	0	0	0	0
8	0	3,888	0	0	0	0	0	0	0	0
9	0	3,888	0	0	0	0	0	0	0	0
10	0	3,888	0	0	0	0	0	0	0	0
11	0	3,888	0	0	0	0	0	0	0	0
12	0	3,888	0	0	0	0	0	0	0	0
13	0	3,888	0	0	0	0	0	0	0	0

-Continued-

Date	-----SCKEYE-----		-----CHINOOK-----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
14	0	3,888	0	0	0	0	0	0	0	0
15	0	3,888	0	0	0	0	0	0	0	0
16	0	3,888	0	0	0	0	0	0	0	0
17	0	3,888	0	0	0	0	0	0	0	0
18	0	3,888	0	0	0	0	0	0	0	0
19	0	3,888	0	0	0	0	0	0	0	0
20	0	3,888	0	0	0	0	0	0	0	0
21	0	3,888	0	0	0	0	0	0	0	0
22	0	3,888	0	0	0	0	0	0	0	0
23	0	3,888	0	0	0	0	0	0	0	0
24	0	3,888	0	0	0	0	0	0	0	0
25	0	3,888	0	0	0	0	0	0	0	0
26	0	3,888	0	0	0	0	0	0	0	0
27	0	3,888	0	0	0	0	0	0	0	0
28	0	3,888	0	0	0	0	0	0	0	0
29	0	3,888	0	0	0	0	0	0	0	0
30	0	3,888	0	0	0	0	0	0	0	0
31	0	3,888	0	0	0	0	0	0	0	0
Sep 1	0	3,888	0	0	0	0	0	0	0	0
2	0	3,888	0	0	0	0	0	0	0	0
3	0	3,888	0	0	0	0	0	0	0	0
4	0	3,888	0	0	0	0	0	0	0	0
5	0	3,888	0	0	0	0	0	0	0	0
6	0	3,888	0	0	0	0	0	0	0	0
7	0	3,888	0	0	0	0	0	0	0	0
8	0	3,888	0	0	0	0	0	0	0	0
9	0	3,888	0	0	0	0	0	0	0	0
10	0	3,888	0	0	0	0	0	0	0	0
11	0	3,888	0	0	0	0	0	0	0	0
12	0	3,888	0	0	0	0	0	0	0	0
13	0	3,888	0	0	0	0	0	0	0	0
14	0	3,888	0	0	0	0	0	0	0	0
15	0	3,888	0	0	0	0	0	0	0	0
16	0	3,888	0	0	0	0	0	0	0	0
17	0	3,888	0	0	0	0	0	0	0	0
18	0	3,888	0	0	0	0	0	0	0	0
19	0	3,888	0	0	0	0	0	0	0	0
20	0	3,888	0	0	0	0	0	0	0	0
21	0	3,888	0	0	0	0	0	0	0	0
22	0	3,888	0	0	0	0	0	0	0	0
23	0	3,888	0	0	0	0	0	0	0	0
24	0	3,888	0	0	0	0	0	0	0	0
25	0	3,888	0	0	0	0	0	0	0	0
26	0	3,888	0	0	0	0	0	0	0	0
27	0	3,888	0	0	0	0	0	0	0	0
28	0	3,888	0	0	0	0	0	0	0	0
29	0	3,888	0	0	0	0	0	0	0	0
30	0	3,888	0	0	0	0	0	0	0	0

Appendix I.11.

Bear Creek daily and cumulative escapement counts for 1987.

Date	----SOCKEYE-----		----CHINOOK-----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
Sep 6	0	0	0	0	33	33	0	0	0	0
7	0	0	0	0	42	75	0	0	0	0
8	0	0	0	0	52	127	0	0	0	0
9	0	0	0	0	434	561	0	0	0	0
10	0	0	0	0	6	567	0	0	0	0
11	0	0	0	0	3	570	0	0	0	0
12	0	0	0	0	0	570	0	0	0	0
13	0	0	0	0	0	570	0	0	0	0
14	0	0	0	0	0	570	0	0	0	0
15	0	0	0	0	0	570	0	0	0	0
16	0	0	0	0	0	570	0	0	0	0
17	0	0	0	0	4	574	0	0	0	0
18	0	0	0	0	0	574	0	0	0	0
19	0	0	0	0	5	579	0	0	0	0
20	0	0	0	0	0	579	0	0	0	0
21	0	0	0	0	4	583	0	0	0	0
22	0	0	0	0	161	744	0	0	0	0
23	0	0	0	0	89	833	0	0	0	0
24	0	0	0	0	0	833	0	0	0	0
25	0	0	0	0	0	833	0	0	0	0
26	0	0	0	0	0	833	0	0	0	0
27	0	0	0	0	0	833	0	0	0	0
28	0	0	0	0	0	833	0	0	0	0
29	0	0	0	0	0	833	0	0	0	0
30	0	0	0	0	0	833	0	0	0	0

Appendix I.12.

Perenosa daily and cumulative escapement counts for 1987.

Date	----SOCKEYE----		----CHINOOK----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
Aug 12	0	0	0	0	3	3	0	0	0	0
13	0	0	0	0	37	40	80	80	0	0
14	0	0	0	0	176	216	13	93	0	0
15	0	0	0	0	52	268	2	95	0	0
16	0	0	0	0	53	321	4	99	0	0
17	0	0	0	0	0	321	5	104	0	0
18	0	0	0	0	0	321	0	104	0	0
19	0	0	0	0	0	321	2	106	0	0
20	0	0	0	0	5	326	33	139	0	0
21	0	0	0	0	40	366	32	171	0	0
22	0	0	0	0	35	401	84	255	0	0
23	0	0	0	0	22	423	107	362	0	0
24	1	1	0	0	175	598	252	614	0	0
25	0	1	0	0	45	643	74	688	0	0
26	0	1	0	0	8	651	31	719	0	0
27	0	1	0	0	9	660	18	737	0	0
28	0	1	0	0	31	691	70	807	1	1
29	0	1	0	0	39	730	158	965	0	1
30	0	1	0	0	18	748	121	1,086	0	1
31	0	1	0	0	1	749	31	1,117	0	1
Sep 1	0	1	0	0	7	756	449	1,566	0	1
2	0	1	0	0	416	1,172	1,769	3,335	0	1
3	3	4	0	0	19	1,191	1,421	4,756	0	1
4	0	4	0	0	67	1,258	188	4,944	0	1
5	1	5	0	0	54	1,312	627	5,571	0	1
6	1	6	0	0	212	1,524	1,540	7,111	1	2
7	0	6	0	0	651	2,175	2,430	9,541	2	4
8	0	6	0	0	59	2,234	166	9,707	1	5
9	0	6	0	0	21	2,255	112	9,819	0	5
10	0	6	0	0	379	2,634	801	10,620	1	6
11	0	6	0	0	121	2,755	180	10,800	0	6
12	1	7	0	0	90	2,845	238	11,038	3	9
13	0	7	0	0	63	2,908	140	11,178	0	9
14	0	7	0	0	25	2,933	115	11,293	0	9
15	0	7	0	0	2	2,935	28	11,321	1	10
16	0	7	0	0	491	3,426	193	11,514	3	13
17	0	7	0	0	27	3,453	31	11,545	0	13
18	0	7	0	0	35	3,488	32	11,577	0	13
19	0	7	0	0	22	3,510	17	11,594	1	14
20	0	7	0	0	200	3,710	500	12,094	0	14
21	0	7	0	0	0	3,710	0	12,094	0	14
22	0	7	0	0	0	3,710	0	12,094	0	14
23	0	7	0	0	0	3,710	0	12,094	0	14
24	0	7	0	0	0	3,710	0	12,094	0	14
25	0	7	0	0	0	3,710	0	12,094	0	14
26	0	7	0	0	0	3,710	0	12,094	0	14
27	0	7	0	0	0	3,710	0	12,094	0	14
28	0	7	0	0	0	3,710	0	12,094	0	14
29	0	7	0	0	0	3,710	0	12,094	0	14
30	0	7	0	0	0	3,710	0	12,094	0	14

Appendix I.13.

Waterfall daily and cumulative escapement counts for 1987.

Date	----SOCKEYE-----		----CHINOOK-----		-----COHO-----		-----PINK-----		-----CHUM-----	
	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum	Daily	Accum
Aug 1	0	0	0	0	0	0	118	118	0	0
2	0	0	0	0	0	0	859	977	0	0
3	0	0	0	0	0	0	286	1,263	0	0
4	0	0	0	0	0	0	264	1,527	0	0
5	0	0	0	0	0	0	1,108	2,635	0	0
6	0	0	0	0	0	0	17	2,652	0	0
7	0	0	0	0	0	0	123	2,775	0	0
8	0	0	0	0	0	0	54	2,829	0	0
9	0	0	0	0	0	0	59	2,888	0	0
10	0	0	0	0	0	0	101	2,989	0	0
11	0	0	0	0	0	0	472	3,461	0	0
12	1	1	0	0	0	0	1,598	5,059	0	0
13	0	1	0	0	0	0	631	5,690	0	0
14	0	1	0	0	0	0	1,349	7,039	0	0
15	0	1	0	0	0	0	260	7,299	0	0
16	0	1	0	0	0	0	203	7,502	0	0
17	0	1	0	0	0	0	2	7,504	1	1
18	0	1	0	0	0	0	351	7,855	0	1
19	0	1	0	0	0	0	775	8,630	0	1
20	0	1	0	0	0	0	492	9,122	0	1
21	0	1	0	0	0	0	416	9,538	0	1
22	0	1	0	0	0	0	517	10,055	0	1
23	0	1	0	0	0	0	1,684	11,739	1	2
24	0	1	0	0	0	0	947	12,686	0	2
25	0	1	0	0	0	0	762	13,448	0	2
26	0	1	0	0	1	1	1,165	14,613	0	2
27	0	1	0	0	0	1	957	15,570	0	2
28	0	1	0	0	0	1	524	16,094	0	2
29	0	1	0	0	0	1	545	16,639	0	2
30	0	1	0	0	0	1	509	17,148	0	2
31	0	1	0	0	0	1	0	17,148	0	2
Sep 1	0	1	0	0	0	1	517	17,665	0	2
2	0	1	0	0	0	1	1,236	18,901	0	2
3	0	1	0	0	0	1	935	19,836	0	2
4	0	1	0	0	0	1	1,243	21,079	0	2
5	0	1	0	0	0	1	646	21,725	0	2
6	0	1	0	0	0	1	2,028	23,753	0	2
7	0	1	0	0	0	1	1,612	25,365	0	2
8	0	1	0	0	0	1	980	26,345	0	2
9	0	1	0	0	0	1	614	26,959	0	2
10	0	1	0	0	0	1	628	27,587	0	2
11	0	1	0	0	0	1	6	27,593	0	2
12	0	1	0	0	0	1	1,500	29,093	0	2
13	0	1	0	0	0	1	0	29,093	0	2
14	0	1	0	0	0	1	0	29,093	0	2
15	0	1	0	0	0	1	0	29,093	0	2
16	0	1	0	0	0	1	0	29,093	0	2
17	0	1	0	0	0	1	0	29,093	0	2
18	0	1	0	0	0	1	0	29,093	0	2
19	0	1	0	0	0	1	0	29,093	0	2
20	0	1	0	0	0	1	0	29,093	0	2
21	0	1	0	0	0	1	0	29,093	0	2
22	0	1	0	0	0	1	0	29,093	0	2
23	0	1	0	0	0	1	0	29,093	0	2
24	0	1	0	0	0	1	0	29,093	0	2
25	0	1	0	0	0	1	0	29,093	0	2
26	0	1	0	0	0	1	0	29,093	0	2
27	0	1	0	0	0	1	0	29,093	0	2
28	0	1	0	0	0	1	0	29,093	0	2
29	0	1	0	0	0	1	0	29,093	0	2
30	0	1	0	0	0	1	0	29,093	0	2

Appendix J.1.

Salmon subsistence catch summary for the Kodiak Management Area, 1986.

Section	Permits	Number of Fish				
		Chinook	Sockeye	Cohos	Pinks	Chums
Kizhuyak Section						
Ouzinkie Narrows	5	0	156	52	0	5
Monk's Lagoon	7	4	123	126	9	1
Spruce Island	4	3	83	30	31	6
Anton Larsen Bay	2	0	3	0	35	8
Sheratine Bay	3	0	22	62	47	1
Kizhuyak	9	0	157	109	38	5
Barabara Cove	7	0	257	32	2	1
Chiniak Section						
Monashka Bay	13	0	164	138	58	9
Buskin River	360	7	5271	2531	934	110
Woman's Bay	4	0	60	33	0	1
Cliff Point	1	0	0	20	0	0
Kalsin Bay	15	0	29	312	23	35
Roslyn Beach	8	0	5	188	5	29
Chiniak	7	0	4	90	49	20
Middle Bay	2	0	0	2	14	0
Ugak Bay Section						
Saltery Cove	18	0	199	91	1	0
Pasagshak	14	6	64	28	5	0
Ugak Bay	1	1	2	0	0	0
Portage Bay	1	2	0	0	0	0
Sitkalidak Section						
Midway Creek (Big Creek)	13	0	15	596	150	40
Old Harbor	2	0	0	40	45	15
Barling Bay	2	0	0	30	90	30
Sitkalidak Island	2	0	0	0	8	5
Alitak Bay Section						
Olga Bay	19	0	567	172	50	52
Moser Bay	21	0	923	2	92	44
Deadman's Bay	2	1	35	7	2	0
Alitak Unknown	3	0	32	2	2	2
Red River Section						
Red River (Bumble Bay)	1	0	9	0	0	0
Sturgeon River Section						
Halibut Bay	1	0	31	0	0	0
Karluk Section						
Karluk	23	34	1453	167	53	5
Uyak Bay Section						
Larsen Bay	2	0	40	0	0	0
Uyak Bay	9	0	300	30	34	23
Spiridon Bay	2	0	22	8	0	0
Zachar Bay	1	0	0	5	0	0

-Continued-

Section	Permits	Number of Fish				
		Kings	Reds	Cohos	Pinks	Chums
Uganik Bay Section						
Kupreanof	3	0	41	8	9	0
Onion Bay	3	1	16	11	24	0
Viekoda Bay	4	0	82	6	8	0
Uganik Bay	20	9	370	130	40	78
Little River	1	0	12	0	0	0
Afognak Section						
Afognak Bay	150	11	3450	1180	339	34
Whale Island	3	0	22	35	0	0
Raspberry Straits	2	0	50	75	0	0
Selief	5	0	0	121	0	0
Malina Bay	1	0	0	50	0	0
Blue Fox Bay	11	1	240	39	87	0
Red Fox Bay	1	7	0	0	0	0
Seal Bay	2	1	10	1	5	7
Pauls Bay	7	0	22	102	0	0
Pauls Lake	1	0	0	12	0	0
Kitoi Bay	7	0	1	167	73	9
Little Afognak	6	0	12	62	0	30
Danger Bay	2	0	0	10	9	0
Marka Bay	1	0	0	56	0	0
Mary Anderson Cove	2	2	7	20	0	0
Mainland Section						
Igvak	1	0	5	0	0	0
TOTAL						
	670	90	14366	6988	2371	605

Appendix J.2. Salmon subsistence catch summary for the Kodiak Management Area, 1987.

Section	Permits	Number of Fish				
		Kings	Reds	Cohos	Pinks	Chums
Unknown						
Unknown	4	0	0	0	0	0
Kizhuyak Section						
Ouzinkie Narrows	24	0	524	203	73	14
Monk's Lagoon	11	0	60	147	7	6
Spruce Island	2	0	46	0	8	6
Camel Rock	1	0	32	0	0	0
Shakmanof	1	0	42	0	0	0
Anton Larsen Bay	2	0	0	8	29	17
Sheratine Bay	7	1	23	20	36	31
Kizhuyak	4	0	124	4	53	2
Barabara Cove	30	1	738	251	87	56
Doctor River	2	0	104	0	0	0
Chiniak Section						
Monashka Bay	18	0	42	142	104	20
Buskin River	307	6	3694	1727	569	124
Woman's Bay	2	0	0	30	12	7
Kalsin Bay	31	0	93	369	76	87
Roslyn Beach	19	2	23	380	93	31
Chiniak	2	0	50	25	2	10
Mayflower	2	0	4	15	50	0
Middle Bay	21	0	156	39	23	4
Ugak Bay Section						
Saltery Cove	13	1	92	117	33	23
Pasagshak	10	9	82	51	13	15
Ugak Bay	3	0	48	50	20	15
Sitkalidak Section						
Midway Creek (Big Creek)	11	0	30	533	0	15
Old Harbor	3	0	0	175	25	50
Barling Bay	5	0	0	0	129	135
Alitak Bay Section						
Olga Bay	22	0	822	134	52	1
Moser Bay	17	0	757	42	56	48
Deadman's Bay	2	0	45	0	0	0
Alitak Unknown	4	0	193	2	15	21
Karluk Section						
Karluk	13	10	431	56	33	5
Uyak Bay Section						
Larsen Bay	2	0	64	19	20	6
Uyak Bay	10	17	740	32	119	63
Spiridon Bay	2	0	43	0	14	7
Zachar Bay	1	0	0	0	0	0

-Continued-

Appendix J.2. (page 2 of 2)

Section	Permits	Number of Fish				
		Kings	Reds	Cohos	Pinks	Chums
Uganik Bay Section						
Kupreanof	1	0	18	1	4	0
Onion Bay	3	0	141	3	66	1
Viekoda Bay	6	0	239	5	62	4
Uganik Bay	20	2	388	115	150	122
Whale Pass	2	0	25	5	23	0
Afognak Section						
Afognak Bay	108	33	2767	861	152	4
Whale Island	4	0	66	46	8	2
Raspberry Straits	1	0	21	0	0	0
Selief	10	0	0	179	0	0
Malina Bay	2	0	10	50	0	0
Perenosa Bay	1	0	50	0	0	0
Blue Fox Bay	2	0	30	0	0	0
Pauls Lake	1	0	15	15	0	0
Little Afognak	13	1	106	68	115	0
Duck Bay	1	0	6	0	0	0
Danger Bay	17	18	73	363	80	14
Marka Bay	12	0	134	162	0	333
Mary Anderson Cove	1	0	3	2	0	0
<hr/>						
TOTAL	610	101	13194	6446	2411	1299

Appendix K.1. Tide tables for the Kodiak Management Area, 1986.

HIGH Tides KODIAK District JUNE 1986

DATE DAY	DOY'S GUIDE	TIME	AM	FT	TIME	PM	FT
1 SUN	•	10:25	6.1	11:06	7.9		
2 Mon	•	11:38	6.0	11:43	8.2		
3 Tues	•	•	•	12:36	6.0		
4 Wed	•	0:21	8.5	1:29	6.2		
5 Thur	•	0:56	8.8	2:14	6.3		
6 Fri	•	1:30	8.9	2:53	6.4		
7 Sat	•	2:04	9.0	3:31	6.4		
8 SUN	•	2:37	9.0	4:10	6.4		
9 Mon	•	3:12	9.0	4:47	6.4		
10 Tues	•	3:44	8.8	5:27	6.3		
11 Wed	•	4:22	8.5	6:06	6.3		
12 Thur	•	5:00	8.1	6:48	6.3		
13 Fri	•	5:45	7.7	7:33	6.5		
14 Sat	•	6:37	7.1	8:18	6.8		
15 SUN	•	7:39	6.5	9:01	7.3		
16 Mon	•	9:00	6.0	9:50	7.9		
17 Tues	•	10:24	5.8	10:38	8.5		
18 Wed	•	11:43	5.9	11:28	9.2		
19 Thur	•	•	•	12:50	6.2		
20 Fri	•	0:18	9.9	1:48	6.6		
21 Sat	•	1:08	10.4	2:44	6.9		
22 SUN	•	2:01	10.7	3:36	7.1		
23 Mon	•	2:50	10.7	4:25	7.2		
24 Tues	•	3:42	10.4	5:13	7.3		
25 Wed	•	4:32	9.8	6:02	7.4		
26 Thur	•	5:23	9.0	6:51	7.5		
27 Fri	•	6:17	8.0	7:40	7.5		
28 Sat	•	7:18	6.9	8:29	7.6		
29 SUN	•	8:27	6.0	9:18	7.7		
30 Mon	•	9:47	5.4	10:05	7.9		

LOW Tides KODIAK District JUNE 1986

DATE DAY	DOY'S GUIDE	TIME	AM	FT	TIME	PM	FT
1 SUN	•	4:35	2.2	4:24	1.5		
2 Mon	•	5:38	1.4	5:12	1.9		
3 Tues	•	6:29	0.7	5:58	2.2		
4 Wed	•	7:13	0.0	6:37	2.5		
5 Thur	•	7:51	-0.5	7:16	2.7		
6 Fri	•	8:26	-0.8	7:54	2.8		
7 Sat	•	9:02	-1.1	8:30	2.9		
8 SUN	•	9:37	-1.1	9:05	3.0		
9 Mon	•	10:12	-1.1	9:41	3.1		
10 Tues	•	10:47	-0.9	10:20	3.2		
11 Wed	•	11:26	-0.7	11:02	3.2		
12 Thur	•	12:04	-0.4	11:52	3.4		
13 Fri	•	•	•	12:43	-0.1		
14 Sat	•	0:51	3.3	1:27	0.4		
15 SUN	•	1:59	3.0	2:13	0.9		
16 Mon	•	3:13	2.4	3:04	1.3		
17 Tues	•	4:25	1.4	4:00	1.8		
18 Wed	•	5:28	0.3	4:56	2.1		
19 Thur	•	6:28	-0.8	5:55	2.3		
20 Fri	•	7:22	-1.8	6:50	2.4		
21 Sat	•	8:14	-2.5	7:43	2.3		
22 SUN	•	9:03	-2.8	8:38	2.3		
23 Mon	•	9:52	-2.9	9:32	2.2		
24 Tues	•	10:41	-2.6	10:26	2.2		
25 Wed	•	11:27	-2.0	11:21	2.3		
26 Thur	•	•	•	12:13	-1.2		
27 Fri	•	0:23	2.4	12:59	-0.4		
28 Sat	•	1:28	2.4	1:42	0.5		
29 SUN	•	2:41	2.2	2:27	1.4		
30 Mon	•	3:55	1.9	3:18	2.2		

HIGH Tides KODIAK District JULY 1986

DATE DAY	DOY'S GUIDE	TIME	AM	FT	TIME	PM	FT
1 Tues	•	11:09	5.2	10:53	8.0		
2 Wed	•	12:20	5.3	11:38	8.2		
3 Thur	•	•	•	1:16	5.5		
4 Fri	•	0:23	8.5	2:04	5.8		
5 Sat	•	1:03	8.7	2:43	6.1		
6 SUN	•	1:45	8.9	3:19	6.3		
7 Mon	•	2:23	9.0	3:54	6.5		
8 Tues	•	2:58	9.1	4:29	6.6		
9 Wed	•	3:31	9.0	5:01	6.8		
10 Thur	•	4:09	8.8	5:34	7.0		
11 Fri	•	4:48	8.4	6:09	7.1		
12 Sat	•	5:27	7.8	6:43	7.4		
13 SUN	•	6:12	7.1	7:19	7.7		
14 Mon	•	7:15	6.3	8:05	8.0		
15 Tues	•	8:33	5.6	8:55	8.3		
16 Wed	•	10:03	5.2	9:54	8.7		
17 Thur	•	11:35	5.3	10:56	9.2		
18 Fri	•	12:50	5.7	11:58	9.7		
19 Sat	•	•	•	1:48	6.2		
20 SUN	•	0:58	10.2	2:38	6.8		
21 Mon	•	1:53	10.5	3:24	7.2		
22 Tues	•	2:45	10.5	4:06	7.6		
23 Wed	•	3:34	10.2	4:47	7.9		
24 Thur	•	4:22	9.6	5:29	8.0		
25 Fri	•	5:08	8.8	6:09	8.0		
26 Sat	•	5:57	7.7	6:47	8.0		
27 SUN	•	6:49	6.7	7:28	7.9		
28 Mon	•	7:48	5.7	8:10	7.7		
29 Tues	•	9:03	5.0	9:03	7.6		
30 Wed	•	10:36	4.7	10:01	7.6		
31 Thur	•	12:07	4.9	10:59	7.7		

LOW Tides KODIAK District JULY 1986

DATE DAY	DOY'S GUIDE	TIME	AM	FT	TIME	PM	FT
1 Tues	•	5:06	1.4	4:10	2.7		
2 Wed	•	6:02	0.8	5:06	3.1		
3 Thur	•	6:50	0.2	5:59	3.3		
4 Fri	•	7:32	-0.3	6:47	3.3		
5 Sat	•	8:11	-0.7	7:32	3.2		
6 SUN	•	8:46	-1.0	8:12	3.0		
7 Mon	•	9:21	-1.2	8:51	2.9		
8 Tues	•	9:54	-1.3	9:30	2.8		
9 Wed	•	10:29	-1.2	10:09	2.6		
10 Thur	•	11:02	-1.0	10:52	2.6		
11 Fri	•	11:33	-0.7	11:37	2.5		
12 Sat	•	•	•	12:06	-0.2		
13 SUN	•	0:29	2.3	12:41	0.4		
14 Mon	•	1:31	2.0	1:23	1.1		
15 Tues	•	2:39	1.5	2:12	1.8		
16 Wed	•	3:53	0.9	3:11	2.4		
17 Thur	•	5:09	0.1	4:20	2.9		
18 Fri	•	6:15	-0.8	5:30	2.9		
19 Sat	•	7:13	-1.6	6:39	2.8		
20 SUN	•	8:06	-2.2	7:37	2.4		
21 Mon	•	8:55	-2.5	8:33	2.0		
22 Tues	•	9:38	-2.5	9:25	1.7		
23 Wed	•	10:20	-2.2	10:16	1.5		
24 Thur	•	10:59	-1.6	11:07	1.4		
25 Fri	•	11:37	-0.9	11:57	1.5		
26 Sat	•	•	•	12:12	0.1		
27 SUN	•	0:53	1.6	12:49	1.9		
28 Mon	•	1:52	1.7	1:28	1.9		
29 Tues	•	3:01	1.7	2:12	2.7		
30 Wed	•	4:17	1.5	3:07	3.4		
31 Thur	•	5:29	1.1	4:16	3.7		

ALASKA DAYLIGHT TIME

HIGH Tides KODIAK District AUGUST 1986

DATE DAY	DOY'S GUIDE	TIME	AM	FT	TIME	PM	FT
1 Fri	•	1:04	5.2	11:55	8.0		
2 Sat	•	•	•	1:46	5.6		
3 SUN	•	0:44	8.4	2:25	6.1		
4 Mon	•	1:29	8.8	2:57	6.5		
5 Tues	•	2:06	9.0	3:25	6.9		
6 Wed	•	2:43	9.2	3:54	7.2		
7 Thur	•	3:18	9.1	4:23	7.5		
8 Fri	•	3:55	8.9	4:51	7.8		
9 Sat	•	4:33	8.4	5:23	8.1		
10 SUN	•	5:16	7.8	5:55	8.3		
11 Mon	•	6:04	7.0	6:33	8.4		
12 Tues	•	7:02	6.1	7:17	8.4		
13 Wed	•	8:19	5.3	8:13	8.4		
14 Thur	•	10:00	4.9	9:26	8.5		
15 Fri	•	11:38	5.2	10:44	8.8		
16 Sat	•	12:49	5.8	11:54	9.2		
17 SUN	•	•	•	1:39	6.4		
18 Mon	•	0:55	9.7	2:22	7.1		
19 Tues	•	1:51	10.0	3:00	7.7		
20 Wed	•	2:37	10.0	3:37	8.2		
21 Thur	•	3:23	9.7	4:10	8.5		
22 Fri	•	4:07	9.1	4:44	8.6		
23 Sat	•	4:49	8.3	5:18	8.5		
24 SUN	•	5:31	7.4	5:50	8.3		
25 Mon	•	6:17	6.4	6:25	8.0		
26 Tues	•	7:10	5.6	7:02	7.6		
27 Wed	•	8:24	4.8	7:54	7.3		
28 Thur	•	10:06	4.6	9:04	7.0		
29 Fri	•	11:50	4.8	10:24	7.1		
30 Sat	•	12:44	5.3	11:32	7.5		
31 SUN	•	•	•	1:22	5.8		

LOW Tides KODIAK District AUGUST 1986

DATE DAY	DOY'S GUIDE	TIME	AM	FT	TIME	PM	FT
1 Fri	•	6:27	0.6	5:30	3.7		
2 Sat	•	7:13	0.1	6:28	3.5		
3 SUN	•	7:53	-0.4	7:16	3.1		
4 Mon	•	8:26	-0.8	7:59	2.7		
5 Tues	•	8:58	-1.1	8:38	2.3		
6 Wed	•	9:29	-1.3	9:16	2.0		
7 Thur	•	9:59	-1.2	9:56	1.7		
8 Fri	•	10:30	-1.0	10:35	1.4		
9 Sat	•	10:59	-0.5	11:18	1.2		
10 SUN	•	11:31	0.1	•	•		
11 Mon	•	0:06	1.0	12:04	0.9		
12 Tues	•	1:04	0.9	12:41	1.7		
13 Wed	•	2:11	0.8	1:30	2.4		
14 Thur	•	3:33	0.6	2:35	3.1		
15 Fri	•	4:57	0.1	4:04	3.4		
16 Sat	•	6:08	-0.6	5:30	3.2		
17 SUN	•	7:05	-1.3	6:39	2.6		
18 Mon	•	7:55	-1.7	7:38	1.9		
19 Tues	•	8:38	-1.9	8:28	1.3		
20 Wed	•	9:15	-1.8	9:15	0.8		
21 Thur	•	9:51	-1.5	10:01	0.5		
22 Fri	•	10:26	-0.9	10:42	0.5		
23 Sat	•	10:58	-0.1	11:27	0.6		
24 SUN	•	11:27	0.8	•	•		
25 Mon	•	0:14	0.8	11:58	1.7		
26 Tues	•	1:04	1.2	12:30	2.5		
27 Wed	•	2:05	1.5	1:09	3.2		
28 Thur	•	3:24	1.6	2:03	3.8		
29 Fri	•	4:50	1.4	3:41	4.1		
30 Sat	•	5:57	0.9	5:10	3.9		
31 SUN	•	6:44	0.4	6:13	3.4		

HIGH Tides KODIAK District SEPTEMBER 1986

DATE DAY	DOY'S GUIDE	TIME	AM	FT	TIME	
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Appendix K.2. Tide tables for the Kodiak Management Area, 1987.

HIGH Tides KODIAK District

JUNE 1987						
DATE	SUN'S DUTY	TIME	6 M	PT	TIME	7 M
1 Mon	●	4:55	8.1	6:46	6.1	
2 Tues	●	5:37	7.6	7:34	6.1	
3 Wed	●	6:26	7.0	8:21	6.3	
4 Thur	●	7:25	6.4	9:06	6.6	
5 Fri	●	8:37	5.9	9:51	7.1	
6 Sat	●	9:57	5.7	10:33	7.6	
7 SUN	●	11:14	5.7	11:14	8.3	
8 Mon	●	12:20	5.9	11:57	8.9	
9 Tues	●			1:16	6.3	
10 Wed	●	0:42	9.6	2:12	6.6	
11 Thur	●	1:27	10.1	3:01	6.8	
12 Fri	●	2:13	10.4	3:49	7.0	
13 Sat	●	3:00	10.5	4:41	7.1	
14 SUN	●	3:53	10.3	5:27	7.2	
15 Mon	●	4:45	9.8	6:19	7.3	
16 Tues	●	5:40	9.0	7:12	7.4	
17 Wed	●	6:41	8.0	8:04	7.6	
18 Thur	●	7:49	7.0	8:59	7.9	
19 Fri	●	9:09	6.2	9:50	8.2	
20 Sat	●	10:32	5.7	10:43	8.5	
21 SUN	●	11:49	5.6	11:28	8.7	
22 Mon	●			12:53	5.9	
23 Tues	●	0:15	8.9	1:49	5.7	
24 Wed	●	0:55	9.0	2:35	6.1	
25 Thur	●	1:37	9.1	3:14	6.3	
26 Fri	●	2:15	9.1	3:49	6.4	
27 Sat	●	2:51	9.1	4:25	6.5	
28 SUN	●	3:29	8.9	5:00	6.8	
29 Mon	●	4:04	8.7	5:35	6.8	
30 Tues	●	4:36	8.3	6:09	6.7	

LOW Tides KODIAK District

JUNE 1987						
DATE	MO	DAY	TIME	°F	TIME	°F
1	Mon	•	NOON	-0.2	11:40	3.5
2	Tues	•	••••	••••	12:42	0.2
3	Wed	•	0:37	3.6	1:25	0.6
4	Thur	•	1:42	3.5	2:11	1.1
5	Fri	•	2:57	3.1	3:00	1.5
6	Sat	•	4:07	2.4	3:49	1.8
7	SUN	•	5:09	1.5	4:41	2.1
8	Mon	•	6:05	0.4	5:33	2.3
9	Tues	•	6:54	-0.6	6:20	2.4
10	Wed	•	7:43	-1.5	7:11	2.3
11	Thur	•	8:30	-2.2	7:59	2.4
12	Fri	•	9:17	-2.6	8:49	2.4
13	Sat	•	10:06	-2.7	9:42	2.4
14	SUN	•	10:54	-2.5	10:38	2.4
15	Mon	•	11:42	-2.0	11:37	2.4
16	Tues	•	••••	••••	12:33	-1.3
17	Wed	•	0:45	2.4	1:23	-0.4
18	Thur	•	1:59	2.2	2:12	0.4
19	Fri	•	3:15	1.8	3:06	1.3
20	Sat	•	4:30	1.3	3:59	2.0
21	SUN	•	5:37	0.6	4:54	2.5
22	Mon	•	6:34	0.0	5:46	2.9
23	Tues	•	7:21	-0.5	6:39	3.0
24	Wed	•	8:03	-0.9	7:24	3.1
25	Thur	•	8:41	-1.1	8:06	3.1
26	Fri	•	9:17	-1.2	8:43	3.0
27	Sat	•	9:52	-1.2	9:22	3.0
28	SUN	•	10:25	-1.1	10:01	2.9
29	Mon	•	11:00	-0.9	10:44	2.9
30	Tues	•	11:32	-0.5	11:26	2.9

HIGH Tides KODIAK District

JULY 1987							
DAY	DATE	CLOCK GOLF	TIME	A.M.	P.M.	TIME	P.M.
1	Wed	●	5:16	7.7	6:43	6.8	
2	Thur	●	5:58	7.1	7:18	7.0	
3	Fri	●	6:49	6.4	7:56	7.3	
4	Sat	●	7:51	5.7	8:40	7.6	
5	SUN	●	9:09	5.2	9:28	8.0	
6	Mon	●	10:38	5.1	10:22	8.5	
7	Tues	●	12:02	5.3	11:17	9.0	
8	Wed	●	.....	.....	1:08	5.7	
9	Thur	●	0:15	9.6	2:02	6.2	
10	Fri	●	1:11	10.2	2:52	6.7	
11	Sat	●	2:04	10.6	3:37	7.2	
12	SUN	●	2:55	10.7	4:23	7.5	
13	Mon	●	3:47	10.4	5:05	7.9	
14	Tues	●	3:37	9.8	5:48	8.1	
15	Wed	●	5:29	8.9	6:33	8.3	
16	Thur	●	6:27	7.7	7:18	8.3	
17	Fri	●	7:27	6.6	8:06	8.3	
18	Sat	●	8:40	5.6	9:58	8.2	
19	SUN	●	10:11	5.1	9:55	8.2	
20	Mon	●	11:39	5.0	10:51	8.2	
21	Tues	●	12:49	5.3	11:47	8.3	
22	Wed	●	....	....	1:45	5.6	
23	Thur	●	0:36	8.5	2:23	6.0	
24	Fri	●	1:21	8.7	2:59	6.3	
25	Sat	●	2:01	8.9	3:29	6.6	
26	SUN	●	2:39	9.0	3:59	6.8	
27	Mon	●	3:14	9.0	4:28	7.1	
28	Tues	●	3:49	8.7	4:56	7.3	
29	Wed	●	4:21	8.3	5:24	7.4	
30	Thur	●	4:56	7.8	5:50	7.6	
31	Fri	●	5:37	7.1	6:19	7.7	

LOW Tides KODIAK District

JULY 1987									
DATE	MOON'S	TIME	A.M.	P.M.	E.M.	TIME	A.M.	P.M.	E.M.
Day	Phase								
1	Wed	●	.....	.....	12:04	.....	.....	.....	-0.1
2	Thur	●	0:12	2.9	12:36	0.4	.....	.....	0.4
3	Fri	●	1:07	2.7	1:12	1.0	.....	.....	1.0
4	Sat	●	2:09	2.4	1:52	1.6	.....	.....	1.6
5	SUN	●	3:18	1.9	2:40	2.2	.....	.....	2.2
6	Mon	●	4:29	1.1	3:38	2.7	.....	.....	2.7
7	Tues	●	5:36	0.2	4:45	3.0	.....	.....	3.0
8	Wed	●	6:34	-0.7	5:49	2.9	.....	.....	2.9
9	Thur	●	7:27	-1.6	6:50	2.8	.....	.....	2.8
10	Fri	●	8:19	-2.3	7:48	2.4	.....	.....	2.4
11	Sat	●	9:05	-2.7	8:43	2.1	.....	.....	2.1
12	SUN	●	9:51	-2.8	9:39	1.7	.....	.....	1.7
13	Mon	●	10:37	-2.5	10:31	1.5	.....	.....	1.5
14	Tues	●	11:19	-1.9	11:28	1.4	.....	.....	1.4
15	Wed	●	.....	.....	12:01	-1.0	.....	.....	-1.0
16	Thur	●	0:27	1.4	12:43	0.0	.....	.....	0.0
17	Fri	●	1:33	1.3	1:25	1.0	.....	.....	1.0
18	Sat	●	2:43	1.3	2:10	2.0	.....	.....	2.0
19	SUN	●	3:58	1.1	3:06	2.8	.....	.....	2.8
20	Mon	●	5:14	0.7	4:09	3.3	.....	.....	3.3
21	Tues	●	6:16	0.3	5:18	3.8	.....	.....	3.8
22	Wed	●	7:08	-0.2	6:20	3.5	.....	.....	3.5
23	Thur	●	7:50	-0.5	7:09	3.0	.....	.....	3.0
24	Fri	●	8:25	-0.8	7:54	3.0	.....	.....	3.0
25	Sat	●	9:00	-1.0	8:33	2.7	.....	.....	2.7
26	SUN	●	9:30	-1.1	9:09	2.5	.....	.....	2.5
27	Mon	●	10:01	-1.1	9:47	2.3	.....	.....	2.3
28	Tues	●	10:28	-0.9	10:23	2.0	.....	.....	2.0
29	Wed	●	10:54	-0.5	11:03	2.1	.....	.....	2.1
30	Thur	●	11:24	0.0	11:45	1.8	.....	.....	1.8
31	Fri	●	11:50	0.6	.....	.....	.....	.....	.....

ALASKA DAYLIGHT TIME

HIGH Tides KODIAK District

AUGUST 1987						
Date	12:00	1:00	4:00	5:00	8:00	9:00
1 Sat	●	6:19	6:4	6:54	7:9	7.9
2 SUN	●	7:19	5:6	7:36	8.0	8.0
3 Mon	●	8:36	4:9	8:32	8.1	8.1
4 Tues	●	10:21	4:7	9:41	8.4	8.4
5 Wed	●	11:57	5:0	10:54	8.8	8.8
6 Thur	●	12:59	5.7	5.7
7 Fri	●	0:03	9:4	1:50	6:4	6.4
8 Sat	●	1:03	10:0	2:33	7:1	7.1
9 SUN	●	1:58	10:4	3:12	7:7	7.7
10 Mon	●	2:50	10:5	3:54	8:3	8.3
11 Tues	●	3:39	10:1	4:31	8:7	8.7
12 Wed	●	4:26	9:4	5:08	8.9	8.9
13 Thur	●	5:16	8:5	5:48	8.9	8.9
14 Fri	●	6:06	7:3	6:28	8:7	8.7
15 Sat	●	7:04	6:2	7:10	8:3	8.3
16 SUN	●	8:11	5:3	8:03	7.9	7.9
17 Mon	●	9:48	4:8	9:06	7.6	7.6
18 Tues	●	11:30	4:8	10:20	7.5	7.5
19 Wed	●	12:44	5:2	11:28	7.7	7.7
20 Thur	●	1:26	5.7	5.7
21 Fri	●	0:23	8:0	1:58	6:1	6.1
22 Sat	●	1:09	8:4	2:29	6.6	6.6
23 SUN	●	1:48	8:7	2:54	7.0	7.0
24 Mon	●	2:23	8:8	3:20	7.4	7.4
25 Tues	●	2:58	8:8	3:45	7.8	7.8
26 Wed	●	3:30	8:6	4:09	8.0	8.0
27 Thur	●	4:05	8:2	4:34	8.2	8.2
28 Fri	●	4:41	7:6	4:59	8.3	8.3
29 Sat	●	5:19	7:0	5:31	8.4	8.4
30 SUN	●	6:03	6:2	6:03	8.3	8.3
31 Mon	●	7:02	5:4	6:49	8.2	8.2

LOW Tides KODIAK District

AUGUST 1987							
DATE	DO'S DAY	GUIDE	TIME	A.M.	P.M.	TIME	P.M.
1	Sat	•	0:33	1:7	12:22	1:2	
2	SUN	•	1:30	1:6	12:57	1:9	
3	Mon	•	2:38	1:4	1:44	2:6	
4	Tues	•	3:55	0:9	2:49	3:2	
5	Wed	•	5:14	0:2	4:15	3:4	
6	Thur	•	6:20	-0:7	5:35	3:2	
7	Fri	•	7:16	-1:5	6:45	2:6	
8	Sat	•	8:04	-2:1	7:45	1:9	
9	SUN	•	8:49	-2:4	8:38	1:2	
10	Mon	•	9:31	-2:3	9:29	0:7	
11	Tues	•	10:10	-1:9	10:10	0:3	
12	Wed	•	10:47	-1:2	11:10	0:1	
13	Thur	•	11:24	-0:3	•	•	
14	Fri	•	0:02	0:3	12:01	0:7	
15	Sat	•	0:57	0:6	12:38	1:7	
16	SUN	•	2:03	0:9	1:18	2:7	
17	Mon	•	3:19	1:1	2:13	3:4	
18	Tues	•	4:45	1:1	3:33	3:9	
19	Wed	•	5:54	0:7	5:05	3:9	
20	Thur	•	6:47	0:3	6:10	3:6	
21	Fri	•	7:27	-0:1	7:00	3:1	
22	Sat	•	8:02	-0:5	7:40	2:5	
23	SUN	•	8:31	-0:7	8:19	2:0	
24	Mon	•	8:59	-0:8	8:52	1:6	
25	Tues	•	9:27	-0:7	9:27	1:2	
26	Wed	•	9:52	-0:5	10:02	0:9	
27	Thur	•	10:17	0:0	10:38	0:7	
28	Fri	•	10:43	0:5	11:16	0:6	
29	Sat	•	11:11	1:1	•	•	
30	SUN	•	0:01	0:6	11:40	2:5	
31	Mon	•	0:54	0:8	12:17	1:8	

HIGH Tides KODIAK District

SEPTEMBER 1987							
DAY	DOT'S GUIDE	TIME	A M	E*	TIME	P M	PT
1	Tues	●	8:27	4.8	7:55	8.1	
2	Wed	●	10:22	4.7	9:19	8.1	
3	Thur	●	11:49	5.3	10:45	8.4	
4	Fri	●	12:43	6.1	11:58	9.0	
5	Sat	●	.....	.....	1:26	6.9	
6	SUN	●	1:00	9.6	2:04	7.8	
7	Mon	●	1:52	9.9	2:41	8.5	
8	Tues	●	2:41	9.8	3:17	9.1	
9	Wed	●	3:27	9.4	3:53	9.4	
10	Thur	●	4:13	8.8	4:25	9.5	
11	Fri	●	4:59	7.9	5:03	9.2	
12	Sat	●	5:45	7.0	5:39	8.8	
13	SUN	●	6:40	6.0	6:17	8.2	
14	Mon	●	7:46	5.2	7:07	7.8	
15	Tues	●	9:23	4.8	8:15	7.1	
16	Wed	●	11:09	5.0	9:43	6.9	
17	Thur	●	12:15	5.4	11:03	7.1	
18	Fri	●	.....	.....	12:50	5.9	
19	Sat	●	0:01	7.5	1:19	6.5	
20	SUN	●	0:47	7.9	1:45	7.1	
21	Mon	●	1:27	8.2	2:09	7.6	
22	Tues	●	2:04	8.3	2:54	8.1	
23	Wed	●	2:39	8.3	2:39	8.5	
24	Thur	●	3:15	8.2	3:24	8.8	
25	Fri	●	3:51	7.8	3:49	9.0	
26	Sat	●	4:28	7.4	4:17	9.0	
27	SUN	●	5:10	6.7	4:49	8.9	
28	Mon	●	5:58	6.0	5:29	8.7	
29	Tues	●	7:04	5.4	6:22	8.3	
30	Wed	●	8:37	5.0	7:34	7.9	

LOW Tides KODIAK District

SEPTEMBER 1987						
DATE	DOT'S	TIME	A M	FT	TIME	P M
DAY	TRUCE					
1	Tues •	2:05	0.8	1:07	3.2	
2	Wed •	3:35	0.7	2:27	3.6	
3	Thur •	4:58	0.2	4:14	3.6	
4	Fri •	6:06	-0.5	5:43	3.0	
5	Sat •	6:58	-1.1	6:46	2.0	
6	SUN •	7:43	-1.5	7:41	1.0	
7	Mon •	8:22	-1.6	8:28	0.1	
8	Tues •	9:00	-1.4	9:17	-0.5	
9	Wed •	9:35	-0.9	10:02	-0.9	
10	Thur •	10:11	-0.2	10:47	-0.8	
11	Fri •	10:46	0.7	11:33	-0.5	
12	Sat •	11:18	1.6	• • •	• •	
13	SUN •	0:22	0.1	11:53	2.5	
14	Mon •	1:18	0.7	12:32	3.2	
15	Tues •	2:33	1.2	1:31	3.9	
16	Wed •	4:01	1.3	3:10	4.2	
17	Thur •	5:20	1.1	4:51	3.9	
18	Fri •	6:11	0.7	5:58	3.3	
19	Sat •	5:54	0.4	6:44	2.6	
20	SUN •	7:23	0.1	7:22	1.9	
21	Mon •	7:51	-0.1	7:58	1.2	
22	Tues •	8:20	-0.1	8:33	0.6	
23	Wed •	8:45	0.0	9:05	0.0	
24	Thur •	9:13	0.3	9:40	-0.3	
25	Fri •	9:39	0.7	10:15	-0.5	
26	Sat •	10:07	1.3	10:57	-0.5	
27	SUN •	10:39	1.8	11:42	-0.3	
28	Mon •	11:11	2.5	• • •	• •	
29	Tues •	0:38	0.0	11:53	3.1	
30	Wed •	1:48	0.4	12:59	3.6	

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